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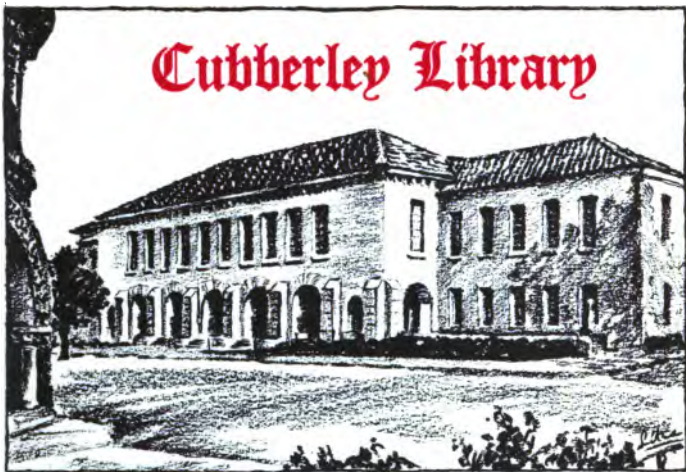
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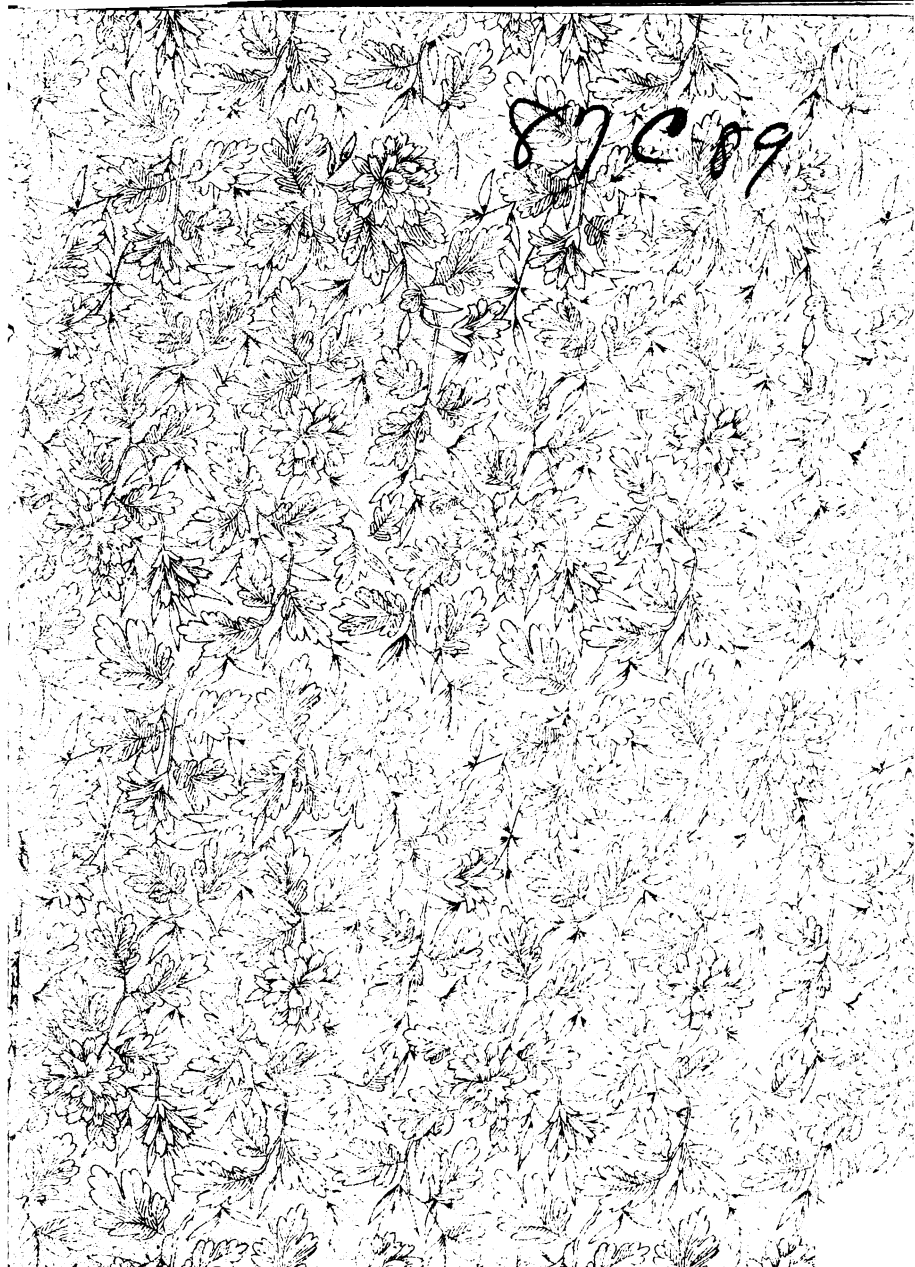


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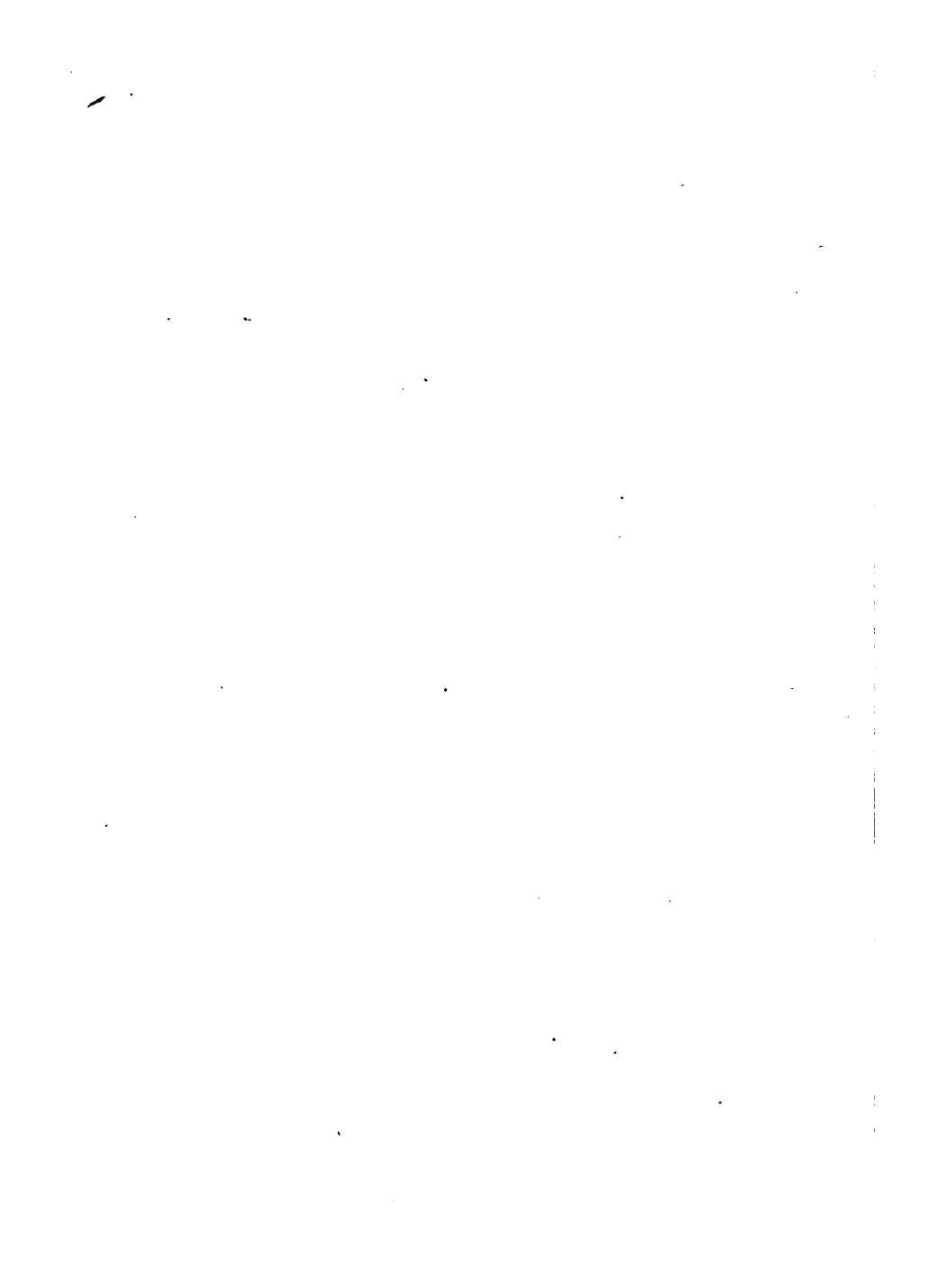
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# AMERICAN COLLEGES

## THEIR STUDENTS AND WORK

BY  
CHARLES F. THWING

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SECOND EDITION.  
REVISED AND ENLARGED.

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NEW YORK  
G. P. PUTNAM'S SONS  
27 AND 29 WEST 23D STREET  
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## PREFATORY NOTE.

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THE favor extended to this volume prompts the issue of an enlarged and revised edition. The additional material comprises the three chapters, "Wealth and Endowment," "A National University," and "Woman's Education." The revision, although made on every page, has resulted in changes the greatest in Chapters I. and II. and in the Appendix. Although absolute accuracy in a work of this character is not to be attained, the hope is indulged that its errors are few and of slight relative importance.

C. F. T.

CAMBRIDGE, MASS.



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# AMERICAN COLLEGES.

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## CHAPTER I.

### INSTRUCTION.

THE most delightful feature of the history of college education in America is the constant expansion of the curriculum. The course of study in the first years of Harvard, Yale, Dartmouth, and all the older colleges was very narrow and meager. In Harvard's first decade the ability "to read the originals of the old and new Testament into the Latin tongue, and to resolve them logically, withal being of godly life and conversation," were the only conditions demanded of the student for obtaining his first degree. But the enlargement of the course of study has from the very first been constant, thorough, and at times exceedingly rapid. Never more rapid has been this enlargement and improvement than within the present decade. The requirements of admission are increas-

ing in the amount and accuracy of the knowledge demanded. By the recent advance in science, the scientific studies in college are quadrupled in number and extent. The introduction of the elective system into many colleges is opening fields of knowledge to the college man which have been before closed, except to the special investigator. These characteristics, so admirable and assuring of the progress of the higher education in our country, render, however, any representation of the studies offered by a college inaccurate for any great length of time. And yet so constant and so regular are the relative advances made by the principal colleges in respect to the breadth and variety of their curriculum that their relative positions remain substantially the same for a series of several years. The following estimates, therefore, serve to represent the amount of the instruction given by the different colleges, not only in the present year, but also in the past two or three years, as well as the general character of college studies which will probably prevail for the next three or five years.

The conditions of admission to a college determine to a large extent the character of the instruction of the Freshman year. These conditions are highest at Harvard, and lowest at the small colleges of the West. Harvard's requirements for admission are more than those of the University of Michigan, Michigan's

more than those of Yale, with the exception of Greek, and Yale's slightly more than those of Amherst. Michigan, though admitting the graduates of the best High Schools of the State without examination, requires in general a more extended knowledge of mathematics than Harvard, but a less extended reading of Latin and Greek. The requirements of Harvard over those of Yale comprise a wider acquaintance with Latin poetry, a considerable quantity of Latin prose, a book of Herodotus, a slightly more advanced knowledge of mathematics, an elementary knowledge of one of the physical sciences, and of either French or German. But, leaving out Harvard, and possibly the University of Michigan, the amount of the requirements for admission to our colleges presents no great or essential difference. Six or eight orations of Cicero, six books of the *Æneid*, three or four books of the *Anabasis*, and one, two or three books of the *Iliad*, beside the Latin and the Greek grammar, represent the principal classical requirements, and arithmetic, algebra, and the simpler portions of plane geometry represent the mathematical. A general knowledge of ancient history, English grammar, and modern geography is also usually requisite to admission.

But the quality of the knowledge required for entering our colleges is subject to greater variations than its quantity. One college demands a far more critical

and definite knowledge than another. The examinations at one college are written, as at Harvard ; at another, oral, as at most colleges ; and at another, both written and oral, as at Yale. One college examines the applicant for three days, as Harvard ; and another, for only one or two, the usual length of time. One college accepts the certificate of a teacher as a truthful indication of the student's worth, and subjects him to no examination worthy the name, while another pays little or no heed to it. It is usually regarded that the entrance examinations at Williams, Dartmouth or Bowdoin are easier than those of Amherst, Amherst's easier than those of Yale, and Yale's easier than those of Harvard. Harvard's entrance examinations are commonly acknowledged the hardest, and she rejects about fifteen per cent. of applicants. Though more exacting than formerly, most eastern colleges reject less than ten per cent.

In the following comparisons of courses of instruction, Harvard and Yale are selected as types of the largest eastern colleges, Amherst as the type of eastern colleges of the average size, as Brown, Dartmouth, Princeton, and Middlebury as the type of small colleges, as Bates and Colby. The University of Michigan, though its course of study is far more flexible than is usual with most colleges, represents the large colleges of the West, Oberlin those of the aver-

age size, and Beloit the better class of its small colleges, such as Marietta, Olivet. Into one or another of these six classes nearly all our three hundred colleges easily fall. Although no one of the colleges named precisely represents all other colleges of its class, each may serve as a general type of them. Amherst may represent Dartmouth and Williams, though the course of instruction at Amherst is somewhat different from the course of instruction at either of the sister institutions.

The classics still continue to form a large part of the course of instruction of most colleges. Though the required study of Latin and Greek ends at Harvard with the Freshman year, yet the elective courses are more than sufficient to occupy the students' attention for the three remaining years. These courses are twenty-seven in number, and provide sixty recitations a week. Besides the Greek authors usually read, Harvard offers a course in philosophical Greek, and in Latin, several unique courses. Twelve courses in the Semitic and Indo-Iranian languages, Hebrew, Aramaic, Assyrian, Arabic, and Sanskrit are provided. At Yale, about three-fifths of the work of the first two years is devoted to the classics, and the authors are Herodotus, Æschylus, Cicero, Tacitus, and others usually read in college. The required study of Latin and Greek ceases with

the Sophomore year, but if he choose, the student can still give about one-fourth of the work of the remainder of his course to them. In his Senior year he also has the opportunity of studying Sanskrit. At Amherst, about two-thirds of the Freshman and one-third of the Sophomore and Junior years are spent upon Latin and Greek. The hardest Greek read is the "Philippics," and the hardest Latin, Quintilian and Tacitus. At Middlebury, the type of the small Eastern college, Latin grammar, Livy and the Odyssey come in the Freshman year, and the most difficult Greek in the course is probably the "Medea" of Euripides. The instruction in classics ends with the first term of the Junior year. At Michigan, the classical instruction is not dissimilar in amount and quality to that of Amherst, but at Oberlin and Beloit easier and fewer authors are read.

The mathematical instruction in our colleges is less in amount and covers a shorter space of time than the classical. It begins in the Freshman year usually with either solid geometry or the more advanced part of plane, and, passing through trigonometry and analytical geometry, ends with mechanics or the calculus. At Harvard, the Freshman recite between three and four hours a week in solid and analytical geometry, plane trigonometry, and advanced algebra. Though no mathematics are prescribed after

the first year, ten elective courses offer ample opportunity to the student who wishes to continue the study. Two courses in quaternions are provided, and, so far as I know, Harvard is the only American college at which this new branch of mathematics can be studied. At Yale, about two-fifths of the Freshman and Sophomore years are spent upon mathematics, the study beginning with advanced algebra and ending with conic sections and mechanics. During his last two years, if he wish, the student may study calculus and analytical mechanics to the extent of four recitations a week, and, during a part of his Senior year, he may devote a small portion of each week to astronomy. The student at Amherst gives about one-third of his Freshman, and about one-fifth of his Sophomore year to the study of mathematics. Beginning with the more advanced plane geometry, he may study algebra, trigonometry, conic sections, and, if he wish, calculus. At Middlebury, the mathematical instruction begins with algebra in the Freshman year, and ends, at the close of the second year, with calculus. About one-third of the first two years is devoted to the study. At the University of Michigan also, mathematical studies occupy the student's attention for about one-third of the time of his first two years. But these studies in geometry, trigonometry and calculus are of a more advanced character than

those at Middlebury or Amherst, and more advanced than the prescribed mathematical studies at Harvard. Oberlin requires her students to spend about one-fourth of their Freshman year upon mathematics, and permits them to elect calculus as one of the three studies of the first term of the Sophomore year. Descriptive geometry can also be studied for a single term in the Junior year. Beloit pays as much attention to the study of mathematics as Oberlin, but her students hardly succeed in reaching as advanced a stage of knowledge.

The facilities for learning the modern languages in our colleges have vastly improved within a few years. Twenty years ago it was difficult to find a graduate who could read French with ease, or German at all. But now no one pretends to call himself thoroughly educated, unless he reads, writes, and speaks these languages with fluency. The facilities for studying Spanish and Italian are still exceedingly meager in most colleges. At Harvard, considerable attention is paid to these as well as to French and German. An elementary knowledge of either French or German is a condition of admission to the college; and the study of one of these languages composes about one-fifth of the work of the Freshman year. Besides the prescribed course, eight elective courses are offered in German, affording nineteen hours of

recitation a week; and in French, eight elective courses, with fifteen hours of recitation. There are three elective courses in Spanish, and three also in Italian. Cervantes, Calderon, Tasso, Dante, and Petrarch are the chief authors read. A course in the comparative philology of the romance languages is also offered. Two courses in Anglo-Saxon and early English are provided for the student interested in the study of his vernacular; and in English literature also, several courses are offered, beginning with Chaucer, and reaching to this century. Though at Yale, a knowledge of French is not required for admission, the language may be elected for four recitations a week during the Junior and Senior years; students are not, however, allowed to elect it unless already having a knowledge of the elements of the language. German is a prescribed study of the Junior year for three recitations a week, and may be elected in the Senior year for four recitations. About one-quarter of the work of the Junior year may be devoted to the study of Shakspeare or of other English authors. Anglo-Saxon may be elected in the second term of the Junior year for four hours a week; and "linguistics" offers an entertaining course of study for a short time in the Senior year. The student of the modern languages at Amherst, though having an elementary knowledge of the French grammar on admission, re

news his study of the language with his second year, and may continue it several successive terms with about four recitations a week. German he is required to study for a single term, with four exercises a week, and he may also elect it for five terms. Italian and Spanish he can study during the last two years, but to them he usually gives comparatively little attention. English literature he also studies for a like period of time, with three or four recitations a week. Middlebury is accustomed to provide instruction in French for her students, though the facilities for its study are meager. Most colleges, indeed, provide at least a small amount of instruction in the language. German she crowds into four recitations a week of a portion of the Junior year. English (Trench's "Study of Words" and "English, Past and Present") forms part of the instruction of one term of the Sophomore year; and English literature (Taine) is studied somewhat in the first term of the Senior year. But most colleges offer very meager opportunities for the study of the origin and growth of either our language or our literature. At the University of Michigan, the study of French may begin at an early stage and may be continued during the remaining years of the course. Italian and Spanish are among the elective studies for those fitted to pursue them. To

both the English language and literature considerable attention is given. At Oberlin, the study of German begins in the first term of the Sophomore year, and it may form about one-third of the student's work for the remainder of the year. The study of French is limited to a single term ; and, as in most colleges, the student has no opportunity of learning either Spanish or Italian. English literature may be studied in the Senior year. At Beloit, as at Middlebury, French is now set down in the curriculum ; and German is studied for only two of the twelve terms. To English literature, however, the student is able to devote considerable attention.

The instruction in the various departments of science in our colleges has hardly kept abreast with the discoveries of the last ten years. A natural conservatism and the expense of procuring scientific apparatus tend to make the college instruction in science several years behind the promulgation of scientific truths. Harvard, however, fosters in many ways the scientific studies of her students. Besides a prescribed course of two recitations a week in physics, in the Freshman year, she offers eight elective courses, with twenty-three exercises a week. In chemistry, she provides, in addition to a prescribed course of lectures in the Freshman year, nine elective courses, extending through the three remaining years. In natural history

eighteen courses are offered, with forty-four exercises a week. At Yale, the student during his Junior year has three recitations a week in physics; and in the first term of the year an equal number in chemistry. Astronomy is taught both as a required and an optional study. A series of lectures is delivered in the Senior year upon evolution and cosmogony; and geology is a required study of the first term of the year. Elective courses in the various departments of natural science and physics are also offered, with about twelve exercises a week during the Senior year. Zoölogy may also be studied for a short time in the Junior year. The instruction in science at Amherst is of a very comprehensive character. It begins in the middle of the second year with chemistry, and, after passing through mineralogy, astronomy, botany, biology, it ends at the close of the Senior year with comparative zoölogy and geology. About two-thirds of the work of the Junior year is of a scientific nature. Middlebury provides instruction in the Sophomore year in natural philosophy, and later in chemistry for several hours a week; and in the first term of the Senior in zoölogy (Orton), with two recitations a week, and in the second and third terms in geology (Dana), with four recitations. At the University of Michigan a large share of the work of the Junior year may be devoted to physics and

astronomy. Several elective courses in science are offered in the Senior year, providing about twenty-five hours of recitation each week. The course of study in astronomy is more extended than that offered by any other of our colleges. The student at Oberlin begins his scientific studies with natural philosophy (Olmsted) and botany (Gray) in the last terms of his Sophomore year. About one-third of the work of the five succeeding terms he may devote, if he wish, to astronomy, chemistry, zoölogy and geology. The student at Beloit has advantages similar to those of his brother at Oberlin; he has, however, little or no instruction offered him in zoölogy. In most colleges, the instruction and lectures in science are supplemented by the work of the student in the laboratory. Chemical laboratories are established in many colleges, but physical laboratories in but few.

The advantages our colleges afford their students for the study of philosophy are as various as those they offer for the study of science. At Harvard the prescribed course in philosophy, has, with a lack of wisdom which this is not the place to question, lately been abolished. But the elective courses, eleven in number, are advanced as well as elementary. Beginning with Descartes, a continuous study is made of his successors, Malebranche, Spinoza, Leibnitz, and of Kant, and the post-Kantians.

The course in Schopenhauer and Hartmann is the only course in the German philosophy of the present day given, so far as I can discover, in any American college. The instruction in philosophy is rather critical than dogmatic ; its purpose is to explain the different systems rather than to teach a system. Though more attention is paid to intellectual than to moral philosophy, yet the various ethical theories can be studied in the Senior year, with several recitations a week. In political economy, seven elective courses are offered, comprising Mill, Cairnes and Carey.

At Yale, as at most colleges, the philosophical studies are relegated to the Senior year. Elementary logic is studied for several weeks in the Junior year ; and about one-third of the work of the Senior year is of a philosophical character. Instruction is given by means both of text-books (Porter, Schwegler's History) and of numerous lectures. Political science is a required study of the Senior year, with Mill as the principal text-book. An elective course is also offered during the second term, with two exercises a week. At Amherst also, about one-third of the work of the Senior year is devoted to philosophy. Hickok and Schwegler are the leading authors studied. Political economy is also taught, but to a somewhat less extent than in either Yale or Harvard. At Middlebury, after the elementary logic of the Junior year, Calder-

wood's "Moral Science" is studied, with four recitations a week for a single term; and, in the winter one recitation a day is devoted to Butler's "Analogy." In the spring term similar attention is paid to the history of philosophy. Political economy is also studied for a single term, with four recitations a week. At Michigan, logic and psychology are required studies of the first half of the Senior year; and moral philosophy and the history of philosophy are elective studies of the second term. They can, therefore, be made to occupy a large part of the student's time. Political economy is taught in no less than seven distinct courses. The student at Oberlin, like the student at Yale and Amherst, may devote about one-third of his Senior year to philosophical studies—Butler, Porter, Fairchild representing the principal text-books in mental and moral philosophy, and J. S. Mill in political economy. At Beloit, mental philosophy is studied for a brief period in the Junior year; and about one-third of the Senior is devoted to logic, moral philosophy and the evidences of Christianity. In most colleges, especially in those under the strongest religious influences, an elementary study is made of these evidences.

In but few colleges does history receive that attention which it is almost universally admitted to deserve. In most cases the only instruction offered in

it consists of a course of lectures, necessarily of a very general character, which, putting the student in possession of mere skeletons of theories and of events, fail both to inspire him with love for the study, and to prompt to independent reading and thinking. Harvard offers very fair advantages for historical study. The prescribed course, comprising Freeman's "Outlines," the Constitution of the United States, and a study of the English system of government, has lately been abolished; seventeen elective courses are offered, with forty hours of recitation a week. Besides general courses in European history, a course in mediæval institutions is offered, which, in its scope and aim, is unique in college instruction. An extended course of study of American history is provided; and a single course in diplomatic history is also offered. At Yale the course in history comprises Hallam's "Constitutional History," Woolsey's "International Law," Doyle's "United States," and lectures. But in the first term of the senior year, England's early history may be taken as an optional study for four hours a week, and throughout the year a course in modern European history is provided. At Amherst about one-third of the work of three terms of the Senior year is devoted to history and political science. Political science is taught in connection with the historical rather than the philosophical department. The instruction in history con-

sists, in the main, of an extended course of study upon the general history of Europe. At Middlebury the instruction in history is represented by Guizot's "History of Civilization," in which the student recites four hours a week for a single term. The same amount of time is devoted to international law, with Dr. Woolsey's "Manual" as a text-book. The University of Michigan provides extensive and excellent facilities for the study of history. This subject, like any other, may be begun and pursued at the reasonable choice of the student. No less than nineteen courses are provided. The later history of England and the history of the United States are presented with special fullness. Considerable prominence is also given to the study of institutions. At Oberlin, the instruction given in history consists chiefly of a course of lectures delivered in the second term of the Senior year. At Beloit, ancient history is studied at the beginning of the first and second years; and in the first term in the Junior year, Guizot's work and the mediæval history of France form a part of the course.

It is only within a few years that our colleges have given any instruction in the fine arts. Ten years ago a professorship of the history of art was established at Harvard, and the department is now, by

means of the seven elective courses, one of the most important and popular. Six elective courses in music are also provided, with fifteen recitations and lectures a week. Yale has a "school of the fine arts," whose aim is to provide thorough technical instruction in the arts of painting, sculpture and architecture ; to furnish an acquaintance with all branches of learning relating to the history, theory and practice of art. The course covers three years, and, though it is distinct from the regular college course, is open to all who wish to avail themselves of its advantages. Vassar, in consequence, perhaps, of being a college for women, devotes considerable attention to the fine arts. Besides instruction in vocal and instrumental music, opportunities are offered for "drawing, painting, and modelling in clay and wax." Most of these courses, however, do not belong to the regular curriculum, and considered as a body, our colleges offer only the most meager instruction in the fine arts.

Considerable attention is now given to rhetoric, writing and speaking, in all the colleges. At Harvard, instruction is given in rhetoric for two hours a week during the entire Sophomore year, with Professor A. S. Hill's treatise as the principal text-book. Six themes or compositions are written in the Sophomore year, ten in the Junior, and four in the Senior. In

about twelve of these twenty essays the style of writing is chiefly considered, and in eight the thought. An advanced elective course also in rhetoric and composition has recently been established. In elocution the professor gives instruction to those wishing it, and about one-third of the Senior class, besides a few other students, avail themselves of the privilege. At Yale, the study of rhetoric begins about the middle of the Freshman, and ends only with the Senior year. In the first term of the Sophomore year, an exercise in composition is held once in three weeks; and in the Junior year "forensic disputations" occur twice a term. In his Senior year each student writes four compositions. During a part of the Sophomore year, exercises in declamation also are held. At Amherst, throughout the four years, exercises in either composition or declamation, or both, are held every week; and there is probably no college at which greater attention is paid to these departments of education. Extemporaneous speaking also is cultivated by constant exercises. At Middlebury, weekly exercises in composition and rhetoric are held. At Michigan, the rhetorical and English exercises occur in each week of the Freshman year; during the Sophomore year, each student is required to write five essays; and in his Junior year, if he elects the subject, to write and deliver several "speeches." At

Oberlin, every student is usually required to write six essays, and take part in six debates in each of the four years of his course, and a brief study of rhetoric is also made. At Beloit, weekly rhetorical exercises are held in which the student "is called occasionally to bear a part." But, beside, the instruction given by the colleges, the societies of the students present other opportunities for both writing and speaking. These societies are more popular at Yale and Amherst than at Harvard; and, in general, they flourish better in Western than in Eastern colleges.

Though a few elective or "exchange" courses of instruction have been for years offered by most colleges, it was not till the accession of the present president of Harvard that the system of elective studies was introduced. Though introduced at Harvard in the face of much opposition, the system has, by its intellectual and moral advantages, converted opposition into staunch support. It constantly grows in popularity with both professors and students, and each year the number of elective courses is increased and their scope enlarged. At this time (1883-1884), one hundred and forty-four courses are offered, providing nearly four hundred recitations a week. Students are not permitted, however, to avail themselves of the privileges of the system till the Sophomore year. All the studies of the Freshman

year are prescribed, and about one-seventh of those of the Sophomore year. With the exception of several essays, the studies of the Senior year and the Junior are elective. The liberty of choice is shown by the fact that one can, during his course, take, as regular studies for a degree, only thirty-six of the nearly four hundred hours of electives. With the academic year of 1876-77, Yale introduced a system of optional studies. Each Junior and Senior "is required to have four exercises a week in an optional study;" that is, about one-third or one-fourth of the work of these two years is elective. Regarding a study having four exercises a week for a year as a "course," there are usually offered two courses each in Greek, Latin, French and mathematics, one course in German, and what may be regarded as one course, though more than equivalent to four weekly exercises, in Anglo-Saxon and English literature. European history, astronomy, meteorology, mineralogy and mathematical crystallography, geology and paleontology are studied for a single term with four exercises, or more, a week in each, and American history, political economy and physics for a similar period with two exercises. Zoölogy, linguistics and botany each occupies half a term. Sanskrit may be studied for one year, with two double exercises each week. Amherst has about seventy elective courses, covering the general field of

knowledge. They are opened to the student in the middle of the second year, and during the remainder of his course he can devote about one-third of his time to them. But Middlebury, the type of small eastern colleges, is accustomed to offer no elective studies to her students. In consequence of the recent reorganization of the departments of instruction of the University of Michigan, one-half of its studies for the Bachelor's degree have become elective. About one hundred and twenty courses are offered, in a large number of which either six or four recitations are held each week for a half year. At Oberlin, during the principal part of the last three years, four studies are assigned to each term, from which the student is required to choose three. But Beloit, the type of small western colleges, usually offers no elective courses, and this is the case with most colleges, both East and West. The University of Virginia, however, offers, and has offered for years, with its various "schools," a system of study which is entirely elective.

The following table shows the number of hours of instruction a week which twenty of our representative colleges have for several years been accustomed to give in the principal subjects of study. At Amherst, for example, there are on an average twenty-one and two-thirds recitations in classics made by all the dif-

ferent classes each week. Both prescribed and elective studies are included in the estimate.

	<i>Classics, Ancient Lang's.</i>	<i>Mathe- matics.</i>	<i>Mod- Lang.</i>	<i>Sci- ence.</i>	<i>Philos- ophy.</i>	<i>His- tory.</i>	<i>Fine Arts.</i>
Amherst.....	21½	10½	9	17½	6½	5	1½
Boston.....	25	6	16	10	12	8	1
Bowdoin.....	21½	7½	11	12½	8½	6	0
California.....	26	6	13	14	9	0	0
5 Cornell.....	32	12	10	10	10	10	0
Dartmouth.....	20	10	4	12	10	2	0
Hamilton .....	22	11	23½	10	10	4½	0
Harvard.....	61	29	74	68	23	28	21
Michigan.....	28	12	15	32	9	8	0
10 Middlebury .....	18	10	4	13	11	4	1
New York.....	24	12	2	18	8	6	0
Northwestern .....	22	7	15	13½	7	4½	0
Oberlin.....	24	12	10	13½	12	1	1
Princeton.....	30	9	7	15	10	2	0
15 Trinity .....	23	6½	9	12½	9	4	0
Vassar.....	27½	8½	21	31½	10	2	17½
Vermont.....	21	12	12	15	9	6	¾
Virginia .....	15	19	13	22	4	4	0
Wesleyan.....	26	10	11	27	20	5	0
40 Yale.....	38	17	20	25	14	8	0

It is impossible to obtain absolute accuracy in estimates essentially so indefinite, since courses of instruction vary each year, and are often different from the published list of studies. Yet, for purposes of comparison, these figures may be regarded as sufficiently accurate.

But it is not the mere amount of the instruction with which a college provides its students that makes it either great or good. The quality, the tone of that instruction is of equal, if not greater, importance. Its thoroughness and its accuracy, the discrimination, carefulness and patience in thinking which it demands and cultivates, determines, to a large extent, whether a college shall be a first-rate or only an indifferent instrument in the formation of scholarship and mental discipline. But upon this critical question opinion varies with all the degrees of the graduate's knowledge of and fondness for his *alma mater*; and no precise estimates can be obtained. Yet it is commonly acknowledged that certain characteristics are specially fostered by the instruction given in the different colleges. [The typical Yale graduate is ready and thorough; the Harvard, exact and full; the Amherst, patient and earnest; the Williams, well-rounded and well-balanced; the Dartmouth, independent; the Middlebury, careful and discriminating; and the Michigan, direct and clear. Positiveness of conviction and readiness in reaching conclusions are in general fostered more by the best western, and the critical habit of mind more by the eastern, colleges. Yet these characteristics are very general, and cannot be pressed with close exactness.

It is also usually recognized that each college has

one or more departments in which its instruction excels. At Yale, students and graduates regard the instruction in international law and history, Greek, political economy, and in several branches of science as of eminent excellence. At Amherst, that given in philosophy and advanced Greek; at Williams and Oberlin, that in philosophy; at Michigan University, that in mathematics, English literature, and history; and at Harvard, that provided in philosophy, science, Greek, French, and the Fine Arts is generally acknowledged to be of unusual worth. But the value of a department of study to the student depends to a great degree upon his aptitude for it; and, therefore, most diverse judgments may be formed regarding its excellence. This value is often precisely the opposite of the estimate of the general public respecting it. For it is as original thinkers and authors that the majority of college professors attain a reputation; but the qualities that fit one for pursuing original investigations, or for elaborating a philosophical system, may unfit him for the patient and painstaking work of the teacher's desk. It is, therefore, oftentimes true that a great scholar, of national reputation, is only an indifferent teacher.

## CHAPTER II.

## EXPENSES AND PECUNIARY AID.

THE expenses of college men of similar tastes and equal wealth are often of the most diverse amounts. The annual expenditure of two students, occupying the same room, sitting at the same club table, and economizing with great care, may differ by \$50 or \$100; and the expenditure of two wealthy students, of like tastes and surroundings, usually varies by any amount from \$200 to \$800. It is, therefore, in the nature of the case, impossible for one writer's estimates of the expenses of the students in the different colleges, precisely to correspond with the estimates of other writers. But the labor and care bestowed upon the following averages allow the assurance that they are as accurate as their essentially indefinite nature permits.

The extremes of the total annual expenses of

students at Harvard, which may be considered the representative of city colleges,—like Yale, and the colleges in the city of New York,—are about \$450 and \$3,000. But the poor, economical student, who stints himself to \$450, lives in narrow quarters and eats the cheapest food ; and the rich student, spending \$3,000, lives as luxuriously as the wealthiest New York or Boston families. But these amounts are extremes ; more poor students spend \$550 or \$600 than \$450 ; the expenses of the majority of wealthy students do not exceed \$2,500, and there are only half a dozen among the eight hundred who succeed in consuming \$3,000. The poor student pays for tuition \$150, as does the rich ; for room-rent, with chum, \$22 ; for board at the Memorial Hall Club, in which are many of the rich, as well as all of the poor students, \$152 (\$4 for 38 weeks). The cost of his coal and gas is about \$30, and of his text-books not less than \$20. These five items amount to \$374, without including either clothes, washing, or travelling expenses. He provides furniture for his room, which (a chum bearing half the expense) costs about \$50 ; but a room furnished at the beginning of the Freshman year requires no special refurnishing afterward. The total annual expenses, therefore, of a Harvard student, of the most rigorous economy, cannot be less than \$425, and probably will amount to \$500.

The expenses of a wealthy Harvard student may be thus estimated: For tuition, \$150; for room-rent, which is \$160 higher than at any other college, \$300,—but a room renting for this sum is one of the best of college rooms in America; for board, at \$8 a week, \$304; for attending theaters, concerts, suppers, \$500,—the largest item in the expenses of many a Harvard man; for society fees and subscriptions, \$400 (the initiation fee to one club, the Porcellian, is \$500); for private servant,—a luxury which about half the students enjoy, —\$30; for horses, \$150; for coal and gas, \$75; and for books, \$100. This total amount of \$2,000 includes, however, the cost of neither clothes, washing, travelling expenses, nor furniture. The cost of furnishing a college room elegantly is not less than \$500, and may amount to \$1,000. The annual expenses, therefore, of the average wealthy student at Harvard amount to \$2,500. A few wealthy students spend more, many less; the limit on the one side being \$2,500 or \$3,000, and on the other \$1,000 or \$1,500.

What is true of expenses at Harvard applies *mutatis mutandis*, and without the *mutanda* being considerable, to Yale and other large city colleges. The most of the necessary expenses, however, are less at Yale than at Harvard. The extremes of room-rent are \$25 and \$140, and tuition is \$140. The poor student can, therefore, pass a year at Yale for from

\$50 to \$100 less than at Harvard. To the wealthy student, moreover, New Haven does not present as favorable opportunities for spending money in attending places of amusement as Boston ; but the societies at Yale are more expensive than the Harvard societies. To the wealthy student, therefore, and the student of average means, the expenses of four years at Yale do not differ essentially from the expenses of four years at Harvard.

But if these large colleges have been charged, as they have been, with being the " colleges of rich men's sons," their aid given to indigent students is very generous. Yale has some thirty-two scholarships, yielding annually sums varying from \$46 to \$120, with an average of \$60. The basis of their bestowal is—first, the poverty, and, secondly, the scholarship of the recipient. She also distributes, as do many colleges, a considerable amount among her students who intend to be ministers. She annually devotes not less than \$15,000 to the aid of this class, and of other needy students. Harvard has one hundred and eighteen scholarships, whose annual incomes vary from \$40 to \$350 ; their total annual income is about \$28,000, and, therefore, the average income of each scholarship does not vary far from \$235. The basis of their assignment is—first, scholarship, and secondly, character and poverty. A rich student, whose rank is high, does not care to receive

one; and a poor student, whose rank is low, cannot. Twenty-nine scholarships are thus annually distributed among the high-ranking, indigent students of each class. The highest scholars receive the largest scholarships, and the smallest scholarship is usually received by one who holds the fiftieth place in a class of a hundred and fifty. Besides scholarships, she annually either gives or lends to indigent students \$3,500. She is also so strongly buttressed by her Thayers, Lowells, and other wealthy friends, that she ventures to say in her annual catalogue that "good scholars of high character, but slender means, are seldom or never obliged to leave college for want of money."

It is a well-known fact that the expenses of students at country colleges are lighter than at city colleges. The reasons of the fact are the familiar reasons that indicate that a family can live more cheaply in the country than in the city. Not only are the necessities of board, rent, clothing, fuel, and tuition cheaper, but also the temptations to spend money in concerts, theatres, suppers, and in every species of pleasant extravagance, are fewer. These *et cetera*, which form so large an item in the annual budget of a Harvard or Yale man, are trifles in the cash-account of an Amherst or Dartmouth student. A poor student at Amherst—which may be regarded as the type of large

country, as Harvard is of large city, colleges—spends annually about \$350, and the rich student about \$1,000. Tuition is the same for both,—\$100; but the poor student probably has a room whose rent, with a chum, is only \$18; and the rich student, one whose rent, without a chum, is \$125. The poor student boards in a club at \$3 a week; and the rich, in a family at \$6. The former limits his expenses for books to the cost of his necessary text-books,—\$15; the latter, if he be a man of taste, expends in this way \$100. \$18 buys the coal and lights of the one, \$30 those of the other. The one expends in society taxes and subscriptions \$15; the other, ten times that sum. The poor student probably spends nothing for either horses, concerts, theatres or suppers; the rich, \$150. The annual expenses, therefore, of a student of the most rigorous economy at Amherst, or at colleges of the same character, are about \$350, being from \$50 to \$100 less than at Yale, and from \$100 to \$150 less than at Harvard; and the expenses of a rich Amherst student, varying from \$800 to \$1000 or \$1100, are from \$500 to \$2,000 less than those of a wealthy Yale or Harvard man. The man of average means—the most frequent type of the college student—spends \$500 at Amherst, and at Yale or Harvard, \$800.

If the expenses of their students are less, so also the pecuniary aid given by Amherst and like colleges

is, in all cases, less than that given by Harvard, and, in many cases, less than that given by Yale. Amherst and Dartmouth are exceptionally generous. The former has sixty-three scholarships, with an average annual income of \$86; and the latter, one hundred, of \$70 each. Amherst, like Yale, distributes the income of \$75,000 among students who are candidates for the ministry.

In all colleges, besides the aid derived from scholarships and beneficiary funds, students assist themselves by manual labor, teaching, and tutoring. Manual labor offers the inducement of exercise as well as of money, and at Cornell and western colleges, considerable of it is done. Teaching was more in vogue seventy-five years ago than at present. A few Bowdoin and Dartmouth students still spend their winters in those "ruby founts of knowledge,"—country school-houses,—but the practice is discouraged by all college faculties. In Yale, and especially in Harvard, a good deal of tutoring, or coaching, is done; and, at \$2 an hour, it is the most remunerative kind of work. A recent graduate of Harvard carried himself and his brother through college with money earned in this way.

Many interesting and striking comparisons between the character of an education obtained at our different colleges, and its cost, are suggested by the annexed

tables. It is as true in regard to education as in regard to commodities, that what costs most is best. Expenses at Yale and Harvard, which are by many considered the best, as they are the largest of our colleges, are by far the highest. The large country colleges in the east, as Princeton, Dartmouth, Amherst, follow Harvard and Yale in respect to expenses ; and are, in turn, followed by small country colleges, as Hamilton. Expenses at large western colleges, as Michigan and North-western Universities, are about the same as at small country colleges in the east. Small western colleges, represented by Beloit and Illinois, graduate their students at the least expense. The Yale or Harvard student of average means, spends nearly twice what the economical student of the college spends, and one-half or one-third of what the wealthy student spends. The expenses of the average Amherst or Dartmouth man are nearly double those of his poor, and one-half those of his rich, brother ; and the same *proportional* expenditure obtains at Michigan and North-western Universities. The same ratio holds good at small western colleges also. The economical student is graduated at Beloit, for \$800 ; at Dartmouth, for \$1,200 ; at Harvard, for \$1,800 ; the student of average means for, respectively, \$1,200, \$2,000, and and \$3,200 ; the wealthy student for \$2,000, \$3,600, and any amount from \$6,000 to \$12,000. The ex-

penses of the poor student at Harvard are almost equal to those of the rich student at Beloit, or to those of the average student at Dartmouth; and the expenses of the average Harvard student are as high as those of the rich Dartmouth student. What one wealthy man at Yale or Harvard spends would educate from ten to twenty poor men at Beloit or Illinois, or from six to twelve poor men at Dartmouth.

The pecuniary aid given by colleges varies in amount as much as the expenses. As a rule, subject, however, to variations, those colleges whose students spend the most, offer the most aid, as Harvard; and those whose students spend the least, offer the least aid, as most western colleges. The basis of the bestowal of aid is generally threefold,—scholarship, need, and character. Many colleges, however, offer special pecuniary privileges to students who intend to be ministers.

Expenses at Vassar, the only college exclusively for women given in the following table, are about the same as expenses at large country colleges in the east. The economical Vassar woman spends, however, more than her economical brother at Cornell or Union; but, if she is wealthy or of average means, her expenses are probably less than those of her brother of the same pecuniary ability. The distinctions of wealth are not so marked at Vassar as at most colleges for men, and

there are fewer temptations for spending money. The students at Wellesley and at Smith college are, as a class, less wealthy than the Vassar students, and their expenses are correspondingly lighter; at the former institution the annual charge for room, board, and tuition is only \$250, and at the latter \$350.

It may be added that expenses at Oxford and Cambridge do not essentially differ from expenses at Harvard and Yale. An Oxford student who spends \$750 is called economical, and one who spends double this sum is not charged with extravagance. But all "reading" (hard-working) men at these English universities can obtain more aid than students at American colleges. Scholarships average from \$200 to \$500, and fellowships from \$1,000 to \$2,000. In the German universities, nearly every item of expense is cheaper than in either the best American colleges or the English universities. The aid given to indigent students is also less; the principal part of which is the privilege to attend the lectures on credit, payment being postponed till the beneficiary has entered either the public service, or one of the learned professions.

The first set of columns in the following table gives the extreme and the average price of the annual rent of rooms in twenty-five American colleges; the second, the extreme and the average price of board; the third, the tuition; and the fourth gives the ex-

trement and average amounts of the total annual expenses:

College.	Room-rent. Annual.	Board, Weekly.	Tuition, Annual.	Total Ex- penses, Annual.
Amherst.....	\$18-125-45	\$3.00-6.00-4.00	\$100	\$350-1,000-500
Beloit.....	10-20-15	1.50-3.50-2.50	36	200-500-300
Boston University.....	60-120-80	3.00-8.00-4.00	100	300-1,000-500
Bowdoin.....	90-25	2.75-4.00-3.00	75	300-800-500
Brown.....	20-155-50	3.00-5.00-3.75	100	350-1,000-500
Un. of California.....	30-100-50	4.00-9.00-5.00	0	250-1,200-500
Columbia.....	300-450*		200	600-3,000-800
Cornell, about.....	45	2.50-6.00-4.00	75	300-1,100-500
Dartmouth.....	20-50-30	2.50-4.00	90	300-900-500
Hamilton.....	6-36-20	3.00-5.00-4.00	60	350-800-450
Harvard.....	22-300-125	4.00-8.00-6.00	150	450-3,000-800
Haverford (Friends).....		4.50.....		425
Illinois.....	14-50-28	2.50-4.00-3.50	36	200-500-300
Michigan Un.....	30-80-40	1.50-5.00-3.00	0	175-700-375
North-western Un.....	10-50-20	1.80-6.00-2.50	45	250-600-350
Oberlin.....	9-36	1.75-4.00-3.00	9	250-750-350
Princeton.....	27-86-50	3.25-7.00-5.00	120	350-1,200-600
Trinity.....	40-100-54	3.00-6.00-5.00	90	300-1,000-500
Tufts.....	15-100-50	3.50	100	350-1,000-550
Union.....	120†	3.00-5.00		300-800-500
Un. of Virginia.....	15-30	2.25-4.50-3.00	75	300-900-500
Wesleyan Un.....	12-36-24	2.75-5.00-3.50	75	300-1,000-500
Williams.....	15-60-30	3.00-6.00-4.00	90	300-1,000-500
Yale.....	25-140-50	4.00-8.00-6.00	140	400-3,000-800
Vassar.....	Room and Board, \$300		100	500-1,000-600

\* Board and room.

† Room-rent and tuition.

The most important induction which this table affords is, that at the large majority of our colleges an annual expenditure of \$500 is sufficient to allow the

student to avail himself of the full advantages of the education which they afford. At Columbia, Yale, Harvard, \$700 or \$800 are required ; but at Princeton, Williams, Amherst, Dartmouth, and the large majority of the best eastern colleges \$500 supports the student with comfort and respectability. At the best of the western colleges \$300 or \$350 is equivalent to \$500, as expended in the best of the Eastern, with perhaps the exception of Harvard and Yale.

The pecuniary aid that is given to students in many of the colleges is considerable, and its amount, excepting the present financial depression, increases each year. In the case of a few of the following colleges, several of their scholarships are not at present available, as at Harvard and Amherst ; but in the case of others, the amount of the pecuniary aid is slightly larger than is indicated. For this amount annually varies with the liberality of the friends of the college and with the income of the college funds.

#### AMOUNT OF AID FOR STUDENTS.

Amherst.—63 scholarships of \$86 ; income of \$80,000 to candidates for ministry.

Beloit.—Tuition free to candidates for ministry, and to a few others ; several scholarships.

Boston University.—65 scholarships of \$100.

Bowdoin.—27 scholarships, average \$60; also, a beneficiary fund of \$550.

Brown.—100 scholarships average \$80; income of \$8,000; and deduction on tuition fee.

University of California.—No aid, but tuition is free to State students.

Columbia.—40 scholarships, and tuition free to needy students.

Cornell.—128 scholarships, and opportunities for self support.

Dartmouth.—100 scholarships average \$70.

Hamilton.—27 scholarships average \$80; also, \$3,000.

Harvard.—118 scholarships average \$235; also, \$4,500.

Haverford (Friends').—"Several" scholarships of \$225.

Illinois.—7 scholarships of \$36.

Michigan University has neither scholarships nor beneficiary funds.

North-western.—Small amounts loaned to candidates for ministry.

Oberlin.—102 scholarships each usually equal to the tuition; income of \$7,000.

Princeton.—"Limited" number scholarships of \$75; to candidates for Presbyterian ministry, \$30.

Trinity.—Scholarships amounting to about \$4,000.

Tufts.—27 scholarships average \$75; tuition free to ten students; also, gratuities.

Union.—Numerous scholarships averaging \$100.

University of Virginia.—Tuition free to candidates for ministry and to very needy students.

Wesleyan University.—A "limited" number of scholarships of \$75. 41 scholarships of about \$150.

Williams.—\$9,000 is divided among needy students.

Yale.—32 'scholarships of \$60; \$15,000, for candidates for ministry especially.

Vassar.—Income of at least \$100,000; 4 scholarships.

## CHAPTER III.

## MORALS.

As the custom of drinking intoxicating liquors is less prevalent in the community to-day than a century or a half century ago, so among college men the popularity of tippling habits has steadily decreased in the course of the last hundred years. During the eighteenth century, at Yale College, the evils of intemperance were a constant source of anxiety to its officers, and numerous were the resolves of its Corporation intended to effect their decrease. In 1737 the Corporation observed that on "Commencement occasions there is a great expense in spirituous distilled liquors in college which is justly offensive," and adopted measures to lessen the consumption of the costly beverages. Nine years later it passed a law, whose prohibitory character may have nursed a college rebellion, that "the Butler shall not keep or sell in

the Buttery more than twelve barrells of strong beer in one year." The members of the graduating class at the Commencement season, however, were allowed exceptional privileges. Each was permitted to buy "one quart of wine and one pint of rum," though it is expressly stated he can have no other "kind of strong drink" in his "chamber."\* At the same period of 1760 and 1761, a similar laxity of college law and sentiment prevailed at Harvard regarding the use of liquor. At Bowdoin, too, at the beginning of the present century "in each college room there was a sideboard sparkling with wines and stronger stimulants." And on Commencement days its graduates, as those of other colleges, entertained their friends with "rum, gin, brandy, wine," etc.†

But the college-drinking customs of fifty and a hundred years ago are now thoroughly changed. Yale College no longer buys each year "twelve barrels of strong beer" for the use of its students. The Harvard student entertains his friends with punch only in the face of impending suspension. And the Bowdoin man, like all the dwellers in the Maine-law State, is compelled to buy his brandy at the "town

\* Professor Fisher's Centennial Discourse on the History of the Church of Christ in Yale College. Appendix.

† Prof. E. C. Smyth's Three Discourses upon the Religious History of Bowdoin College, p. 8, and Appendix.

agency," and under this limitation can secure it only for medicinal purposes. A similar elevation of custom and sentiment regarding intemperance has taken place in all the older colleges, as it has in the general community.

The number of the students in New England colleges who are addicted to the use of intoxicating liquors to a greater or less degree varies, it is estimated from carefully prepared statistics, from about one-eighth to about three-fifths. It is usually acknowledged that intemperance is more prevalent at large than at small colleges; and that among eastern colleges as small a proportion of Amherst and Williams men are addicted to drink as at any New England college. At certain western colleges, however, a case of drunkenness is seldom known to occur. This is true with regard to Oberlin, one of whose rules is, as it is also the rule of other colleges both east and west, summarily to expel the student guilty of intoxication. At the University of Michigan, with five hundred students in the college, and double this number in the university, "cases of drunkenness," one of its professors writes me, "are exceedingly rare."

College opinion regarding the immorality of intemperance varies to as great a degree as the proportion of men in different institutions who are addicted to the habit. In most country colleges of the east,

where the temptations to indulgence are the fewest, intemperance is reprobated as a vice and a crime. Inflammation of the eyes, except as occasioned by the midnight study of Greek, is regarded as a "scarlet letter" of disgrace. The intemperate student is not only shunned by his classmates, but if, "while the fit is on him," he chance to reel before a professor's eyes, he is at once compelled to drink the hemlock of summary dismissal. In western colleges the case is similar. Though among western students mere drinking is not so harshly frowned upon as in some of the Puritan colleges of the east, yet drunkenness is as severely anathematized in the University of Wisconsin as in the University of Vermont. But among the students of our largest and in many respects best colleges of the east, there is a tendency, which exists in spite of all the efforts of the governing boards to crush it out, to look upon drunkenness as a rather necessary escapade of hot-blooded youth. It is seldom that in these colleges indulgences in liquor costs the tippler the loss of either a friend or an acquaintance. The college officers, however, are inclined to deal severely with him, and either the disgrace of a reprimand or a temporary suspension is the penalty he usually pays for his offense.

In regard to that vice from which the college, as well as the community, suffers irreparable injury, it is

impossible to write with a high degree of definiteness. It is very gratifying to say that a much smaller proportion of college men are addicted to it than to drunkenness ; but it is very humiliating to be obliged to confess that, as far as can be judged, its prevalence has vastly increased within the last score of years. A condemnation, on the part of the students, is meted out against the former vice similar to that which is felt regarding intemperance, but as a rule far more severe and more just. College faculties, also, manifest much greater rigor in dealing with it than with drunkenness.

✓ The causes of the difference in the moral condition of the students of most large colleges, the majority of which are located in or near cities, and that of the students of small colleges situated in the country, are numerous and diverse. They are found to exist both ✓ in the pre-college training of the students, and in the character and surroundings of the colleges.

✓ The chief consideration relating to the pre-college influence of the students at large city colleges, is the fact that the vast majority of them were brought up and reside in cities. About one-half of the Harvard men, for example, reside in Boston (within a radius of eight miles of Beacon Hill), New York city and Brooklyn. The homes of a large part of the other half are in cities of the size of Cleveland or Worcester.

Only a small proportion of the whole number, therefore, reside in country towns. Nearly one-half of the Yale students, also, live in cities of at least fifty thousand population; and one-fifth have homes in New York city and Brooklyn. But in country colleges the large majority of the students were born, bred, and live "*sub tegmine fagi*"—under the vine and fig-tree. Three-fifths of the Bowdoin men reside in the country towns of Maine. Williams seldom has more than three or four Boston or New York men in a class. Illinois college, according to a recent catalogue, has not a single student from Chicago. At Michigan University, three-fifths of the students reside in the State, and the State contains only one large city. Dartmouth, Amherst, Middlebury, Beloit, in fact all country colleges, draw the majority of their students from the country.

The fact that so large a proportion of the students at certain of our colleges are city-bred, affects the question of their morality in various ways. Not a few of these students are immoral on their entering college. The pre-college influences, outside of their own homes, have for many of them been excellent preparatory schools for Sophomoric dissipation. Even the home influences, in not a few cases, have failed to outweigh the evil attractions of the gambling table and its accessories. At one of our large colleges, it is esti-

mated that six-sevenths of the immoral men reside in cities of at least twenty-five thousand inhabitants. But it is seldom, though sometimes the case, that a student from the country, when he enters a country college, is immoral. The vicious class in the country towns is not the student class. Not only the purity of the student's home but the associations of his country life have been elevating. Vice in its various forms is to his eyes "a painted ship on a painted ocean." The Freshman, therefore, at large city colleges, is usually more disposed to dissoluteness than his brother at small country colleges.

The students at large colleges in the city are wealthier. As the city is wealthier than the country, so the average student at large city colleges receives a larger income than the average student at the country college. It is needless to say that money is not only the *sine qua non* to indulgence in Sophomoric peccadillos, but it is also the immediate occasion of dissipation. A wealthy student with an annual allowance of \$2,000 is an excellent Faust for some Mephistopheles. But a poor student, stinted to \$300 annually, cannot "afford" to be immoral.

"Gold were as good as twenty orators,  
And will, no doubt, tempt him to anything."

There are, it must be acknowledged, vices that are as cheap as dirt, and that can be enjoyed in the coun-

try, as well as in the city, college for the merest pittance. But, as a rule, cheap vices are not attractive to the college man of dissolute proclivities ; and, therefore, the poor student is not so subject to their temptations as is his wealthy classmate.

Our large colleges are, moreover, from the fact that they are large, subject to vices from which the small colleges are inherently free. In classes of one hundred and fifty or of two hundred men, immoralities do not stand forth in so bold relief as in classes of twenty or fifty. A single black sheep in a flock of twenty is a more prominent object than are ten in a flock of two hundred. The notoriety, therefore, sure to follow his dissipation, may debar a student at a small college from vice ; but its comparative absence in a large college may urge the student into dissolute habits.

In a large college, once more, the *esprit de corps* is strong. The immoral men are sufficiently numerous to form a ring for mutual "aid and comfort," and they buckle themselves to each other by common habits and purposes. But the two or three men of evil propensities in a small class feel nothing of that assurance which numbers give. In their loneliness they are more inclined to find cheer in their Plato than in drinking from the flowing bowl of punch.

The situation of colleges in and near large cities

presents numerous opportunities for vicious indulgences. If Yale were located at Williamstown, Harvard at Hanover, Columbia at Ithaca, the moral character of their students would be elevated in as great a degree as the natural scenery of their localities would be increased in beauty. Small towns like Brunswick, Hanover, Williamstown, Amherst and Ann Arbor, offer few opportunities for either the formation or indulgence of evil habits.

But a consideration of far greater importance than either the moral condition of our colleges or the causes that influence college men into dissolute courses is the methods by which this moral condition may be elevated and purified. All the various means which tend to promote moral reformations in the community tend thereby to produce corresponding results among college students. There are, however, certain methods whose observance would especially tend to root out college immoralities. Most of the methods which I venture to suggest are followed to a greater or less extent in the large majority of the colleges, but a stricter enforcement of certain of them could not, in any college, fail to be of the highest service both to the college and the community.

*First.* The inquiry regarding the morals of those applying for admission should be more critical. It is a requirement at most, if not all, colleges that the ap-

plicant present a certificate, signed by his teacher or some other "responsible person," of his "good moral character." But this certificate, for the purpose for which it is designed, may not be worth the paper on which it is written; for of its signers the college often knows nothing. A student, therefore, of the most depraved tendencies has no difficulty in making his character appear to his college examiners as white as he chooses. I know a case in which a graduate of one of the Phillips academies, of most dissolute habits, presented himself for admission at a New England college with a certificate signed by a classmate whose character probably was hardly superior to his own. To insure, therefore, the certainty of excluding immoral men, the college should require that the certificate of the applicant be signed only by those of whose right to sign it is, either directly or indirectly, cognizant. At the same time also, many of the preparatory schools and individuals, as private tutors and clergymen, should exercise much greater strictness in their bestowal of certificates of moral character. The college and the school can thus work together in elevating the moral tone of their students.

*Second.* The college officers should exercise more strict supervision over students of evil tendencies. A college officer should not only have a room in each

college dormitory, as is now the custom, but he should be especially alert for detecting any disorderly practices committed by the men under his care.

*Third.* Whenever what is judged to be *sufficient* evidence is offered that a student is guilty of heinous offences, he should be summarily expelled. By remaining in college he usually takes to himself seven others worse than himself, and his last end, including that of his companions, is worse than his first. The summary expulsion of half a dozen men from certain of our colleges for habitual tippling and other vices, would to a large degree wipe out these evils.

*Fourth.* Students should be, as any citizen, amenable to the civil law. From this law in petty offences custom makes them substantially free. It is only a short time since that a police officer in a college town endeavored to obtain entrance to a room in which he knew disorderly practices were being committed. Defied by the students, he was obliged to appeal to a college professor. The students at one of our colleges flatter themselves with the pleasant fiction that a police officer has no right to venture on to the college campus to arrest a law-breaking student. There is no reason why the municipal law should not touch the disorderly collegian as well as any disorderly citizen. The proper relation of the college student to the government of the city in which he abides is well

stated in the position assumed by the University of Michigan. This University holds, that its "students are temporary residents of the city, and, like all other residents, are amenable to the laws. Whenever guilty of disorder or crime, they are liable to arrest, fine, and imprisonment, and can claim no peculiar exemption from public disgrace and legal penalties."

*Fifth.* The moral condition of most colleges would be greatly elevated by more intimate association of the professors and the students. The intimacy of this association is far more easily gained in a small than a large college. But the moral influences with which every college, large as well as small, desires to surround her men, would be vastly augmented by means of the personal association of instructors and students. The precise methods that may be adopted for accomplishing this purpose differ in different institutions, but some method should and can be employed in every college by which the professor can directly influence the moral as well as the intellectual character of his students.

*Sixth.* It should hardly be necessary to suggest that the moral character of college officers ought to be worthy of the highest respect of the men under their charge. But in certain of our colleges, students are willing to acknowledge that the moral character of some of their professors neither commands

nor deserves their esteem. A college whose professors are known, with a reasonable degree of certainty, to be immoral cannot demand moral purity of its Freshman. The upright character of the professor is the first condition for demanding upright character in the student.

*Seventh.* The seventh and last method that I beg to suggest for promoting the morality of college life is the refusal of his degree to any student of thoroughly dissipated habits. If it is true, as is currently reported, that Harvard, at her Commencement in 1877, refused to bestow degrees upon certain men on the ground of their notorious dissoluteness, the example may be followed with profit by other colleges. The liability to lose that bit of parchment, for gaining which he is spending four years, acts as a fitting restraint upon the immoral inclinations of any undergraduate.

There are, however, not a few considerations in regard to the moral welfare of our colleges which lighten up this picture that may appear in certain points lamentably dark.

The age of the men on entering college is now, and has been during the century, steadily increasing. With age comes that self-control and that consciousness of responsibility which are the best barriers to dissoluteness. At Harvard the average age of admission is now about eighteen and a half years, and during

the last score of years the average has risen six months. (President Eliot's Report for 1874-75). To the increased maturity of the undergraduates may be attributed in part the disfavor with which hazing is coming to be regarded by students. In several colleges this puerile and inhuman custom is obsolete, and in most obsolescent.

There was probably, moreover, never a time in the history of American colleges when their standard of scholarship was so high as it is at present. Students are now obliged to work with that carefulness and thoroughness which tend to wean them from dissolute courses. In many colleges they can find no time to be immoral ; but in other colleges an increase of the amount of the work would be of use in restraining from vicious indulgences.

The moral condition of American colleges is, so far as the writer's knowledge extends, far superior to the condition of the English University of Cambridge, and, judged by Cambridge, of Oxford, also. In his "Five Years in an English University," Mr. Bristed says (Revised Edition of 1874, pp. 413, 414): "The reading [hard-working] men are obliged to be tolerably temperate, but among the rowing men there is a great deal of absolute drunkenness at dinner and supper parties. . . . The American graduate is utterly confounded at the amount of open profligacy

going on all around him at an English university ; a profligacy not confined to the rowing set, but including many of the reading men and not altogether sparing those in authority."

Into a condition of such moral depravity American colleges have never fallen ; and there is no valid reason to believe they ever will fall into it.

**CHAPTER IV.****RELIGION.**

**RELIGION** was the corner-stone in the foundation of our older colleges. Harvard, founded in 1636, sprang from the "dreading to leave an illiterate ministry to the churches," and bears the name of a Congregational clergyman. Its welfare was the frequent topic of sermons, and the constant burden of the prayers of the early colonists. Yale, founded at the close of the seventeenth century, was designed to inculcate a more orthodox Christianity than Harvard was supposed to represent, and to educate a ministry for the New Haven colony. Princeton, established in 1746, was intended to supply "the church with learned and able ministers of the Word." Dartmouth was founded in 1769 on the fundamental principles of the Christian religion. Bowdoin was dedicated in its first years to the Church of Christ. And Amherst was planted in 1825 for

the sake, primarily, of training men for the foreign missionary work. Indeed the strong religious character of nearly all the older colleges at their foundation is indicated by President Witherspoon, of Princeton, in saying, "Cursed be all that learning that is contrary to the Cross of Christ; cursed be all that learning that is not coincident with the Cross of Christ; cursed be all that learning that is not subservient to the Cross of Christ."

But not only in the purposes of the establishment of the early colleges was the religious element manifest, but also in their government and instruction. At Harvard, many of the early "laws, liberties and orders" related to the Christian duties of the students: "Every one shall consider the main end of his life and studies to know God and Jesus Christ, which is eternal life." "Every one shall so exercise himself in reading the Scriptures twice a day that they be ready to give an account of their proficiency therein, both in theoretical observations of language and logic, and in practical and spiritual truths." "They shall eschew all profanation of God's holy name, attributes, word, ordinances, and times of worship; and study with reverence and love, carefully to retain God and his truth in their minds." These and similar rules relating to religious and moral conduct, formed the large body of the laws to which the first students at Harvard

were subject. They were not, moreover, dissimilar to the first laws of many of the oldest colleges. The course of instruction, also, was thoroughly imbued with the religious element. The Hebrew language was studied in common with the Latin and the Greek; and the Old Testament and the New, in the original, formed one of the principle books of linguistic study. "To read the original of the Old and the New Testament into the Latin tongue," was the chief condition to receiving Harvard's first degree. A portion, also, of the undergraduates were required to repeat in public, sermons, *memoriter*, whenever requested by the proper authority.

But this marked religious bias in college government and instruction has now passed away. The undergraduate is still required, in most colleges, to attend church twice on the Sabbath, and prayers daily, in the chapel, but beyond these simple requirements the college usually makes no religious demands upon him. The instruction, too, has lost its deep religious coloring. Hebrew is relegated to the divinity school; and the only direct study made of the New Testament is a recitation in its Greek of a Monday morning. But the custom of devoting the first exercise of the week's work to New Testament Greek is obsolescent. Its chief purpose is to prevent the student from studying on the Sabbath unsabbatarian subjects, but as its in-

fluence in this respect is inconsiderable, the custom is slowly passing away. A study of the evidences of Christianity and allied topics is also made in many colleges, but it is brief and cursory ; and the enlarging field of *human* knowledge renders it expedient, in the judgment of many college officers, to consign the Christian evidences and similar subjects of study to the theological seminary. The American college has, therefore, ceased to be in its organization, government, and instruction a distinctively religious institution.

Yet in the establishment and organization of many of the western colleges, the religious idea is still very prominent. Not a few of the colleges in Ohio, Illinois, Iowa and adjoining States are outgrowths of home missionary movements, and are primarily designed for the training of a Christian ministry. The first educated men that, as a class, entered the Northwest territory and the territories bordering the western bank of the Mississippi, were the home missionaries. Their aim was to permeate the new West with Christian influences ; and among the earliest and most effective means they employed, was the establishment of colleges. These colleges were, therefore, Christian in their origin, purpose and operation. Iowa College was founded in 1847, by the famous "Iowa" or "Andover Band" (a dozen graduates of Andover Theological Seminary, who entered Iowa in 1846), and

has been, and still is, one of the chief instruments in the evangelization of that great State. Western Reserve College sprang from the desire of the home missionaries of a school for educating ministers. Illinois College was founded by the Home Missionary Association. The first years of Oberlin College were thoroughly pervaded with Christian influences ; and the spirit that ruled its founders is indicated in the inscription on a banner that waved from a flagstaff in the little village—"Holiness unto the Lord." Many, therefore, of the recently established colleges of the west are pre-eminently Christian in their foundation and purposes.

Indeed, in the case of the vast majority of our three hundred colleges, the religious element, though of little weight in the legal organization and scholastic working of the college, has a most important influence in the daily life and on the character of the students. The professors and instructors are, as a rule, Christians. Though it is seldom that a religious test is made a condition to holding a post of instruction, yet, as a matter of fact, the large majority of the members of college faculties are communicants in the church. Amherst exacts no religious creed of her instructors, yet, it is the testimony of President Seelye that, "we should no more think of appointing to a post of instruction here an irreligious, than we should an

immoral, man, or one ignorant of the topic he would have to teach." In Princeton, also, no religious test is required, but Dr. McCosh writes that, "most of our instructors are Presbyterians, but we commonly have members of other religious denominations." In Brown University the case is similar; though demanding no religious pledge, "it would doubtless decline," says President Robinson, "to take an atheist or a professed skeptic as a professor." Oberlin College, also, has "no confession of faith prescribed by custom for the instructors in any department of the college," writes its president, "but it is customary, and has been from the foundation of the school, to appoint as instructors such only as give evidence of Christian character, as this term is commonly understood among Evangelical believers." Though the State University of Michigan, too, demands no religious conditions of its professors, yet "as a matter of fact," says President Angell, "the great majority of our instructors have always been communicants in churches." At Yale and Harvard, also, a large number of the professors are recognized as Christians. Though, therefore, the large majority of the colleges require no religious confession of their professors, the great body of their professors are believers in the religion of Christ. The American college, as now conducted, is devoted to the promotion of knowledge and

intellectual discipline ; but the Christian character of its professors renders its influence Christian in the highest degree. The American college is Christian in the same way in which the American government can be said to believe in the existence of a God. Though the existence of a Supreme Ruler is unacknowledged in constitution or statute, yet it is constantly recognized in the carrying on of all the departments of the State.

Into the life of the students, also, religion is thoroughly ingrained. About one-half of the thirty-one thousand men and women who are now pursuing regular college courses are professed Christians. The proportion of those who are, to those who are not, professed Christians varies with colleges. The lowest extreme is probably (in general terms) one to four, as at Harvard, and the highest nine to ten, as at Oberlin ; at Dartmouth and Bowdoin, one from every three students is a Christian ; at Yale, two from every five ; at Michigan University and Western Reserve, one from every two ; at Princeton, Brown University, Ripon, and Marietta, three from every five ; at Amherst, Williams, Middlebury, Wesleyan University, Iowa, and Berea, four from every five. About fifteen thousand, therefore, of the thirty-one thousand college students in the country may be regarded as Christians.

The increase in the proportion of Christian col-

legians within the last twenty-five years is most gratifying. In 1853 only one man in every ten at Harvard College was a professor of religion; at Brown, one in every five; at Yale, Dartmouth and Bowdoin, one in every four; at Williams, one from two; and at Amherst, five in every eight. At Middlebury the ratio was as it is now, four from every five students being Christians. (Tyler's *Prayer for Colleges*, p. 136.) In these seven representative colleges, selected at random, the proportion of Christian students has increased in a most remarkable degree in the last quarter of a century. But the advance, as compared with the religious condition of the colleges in the first years of the century, is still more marked. At that time the flood of French infidelity was sweeping over the land, and the effects it wrought in the colleges were most disastrous. At Harvard and Yale the number of Christian students was probably fewer than at any other period in their history. "In the first classes" at Bowdoin College, founded in 1802, writes Professor Smyth,\* "I can learn of but one who may have been deemed, at the time of admission, hopefully pious." At Williams there was, near the same period, "but one in the Freshman class, who belonged to any church; none in the higher classes." †

\* *Religious History of Bowdoin College*, p. 7.

† *History of Williams College*, p. 111.

But within the course of two generations, so thorough ✓ have been the religious changes, that it is safe to say at the present time at least one-half of American college students are Christian men and women.

The religious life of college men is manifested in various methods of Christian endeavor. In many colleges, as at Dartmouth, Iowa, are societies which bear the same relation to the Christian students as literary societies bear to literary students. These societies hold weekly or fortnightly meetings, with a programme composed of orations, debates, and essays upon religious topics ; and they are also the spring whence flow the religious activities of the college. Their members frequently organize mission Sunday schools in the city or town in which the college is located, and in many colleges noble results have been thus accomplished. Three such schools are supported by the students of Olivet College, six by those of Beloit, and ten by those of Iowa. Prayer-meetings are also held each week in the college, and are conducted and supported by both professors and students. In many colleges, moreover, exists a church, of the denomination which the college represents, and with a membership made up principally of the college officers and students. Yale, Amherst, Tufts, Dartmouth, and a large number of other colleges, have churches which are the religious home of many of their Christian students.

But the most important characteristic of the religious life of the college is the revival. The revival is both the cause and the result of that Christian tone and color which mark the great majority of American colleges. It is of more frequent occurrence, of longer continuance, of greater pervasiveness, and of a calmer, intellectual character among college men than in any other class of the community. At Yale, Harvard, and Brown, revivals have of late years been infrequent, but at most colleges it is seldom that a college generation has passed away without first passing through a revival of religion. In nearly every year Amherst College experiences such an awakening. Its extent and intensity vary much with different years ; and in recent seasons, the winters of 1870, 1872, 1876, and 1878, are noteworthy as witnessing an unusual degree of spiritual interest. At Princeton, each of the last twenty-five classes, with one or two exceptions, has in the course of the four years passed through a revival season ; and it was only a few years since that over a hundred students were converted in a single term. Wesleyan University, Dartmouth, Williams, Hamilton, and other eastern colleges are not infrequently subject to special revival influences, and a considerable proportion of their students become Christians during their college course.

In the colleges for women, as Vassar, Wellesley,

Smith, the revival spirit is also very pervasive. Almost three-sevenths of the Vassar students are Christians, and several become so in the four years of their college life. Wellesley College was founded expressly in the interests of the Church of Christ, and the revival influence of its founder, though now dead, pervades the whole college. A large number of the students which Smith College, in the Connecticut valley, gathers is Christian, and all the influences of this Amherst for women are as Christian as they are scholarly.

But it is probably in the western colleges that revivals are most frequent and extensive. In many of them revivals occur as regularly as the coming of the winter, and, considered as a whole, about one-half of their students become Christians during the four years of the college course. This is especially true in regard to Oberlin and Iowa College. At Marietta and Ripon, about one-third of the students are converted in the four years. It is very difficult, as one of its former students remarked, to graduate at Iowa College without becoming a Christian ; and the case is similar in many of the eminently Christian colleges of the west.

The special means that are employed in occasioning revivals in the college community are similar to those that are used in bringing about revivals in the

community at large. Into eastern colleges, however, the professional revivalist is seldom called. College revivals spring far more naturally from the conditions of college life than from the condition of religious life in the general community. The thoughtfulness which college studies engender, and the culture which they foster, incline the attention to religious topics. The prolonged intimacy of the friendships of Christian and non-Christian students leads many into piety. The Christian influence and zeal of professors and instructors awaken a desire in their pupils for a nobler and better life. The frequent prayer-meetings, the endeavors of religious societies, the religious earnestness of Christian students, arouse and sustain inquiry upon spiritual questions. And the influence of the Day of Prayer for Colleges, the last Thursday in every January, a day which has been observed in some colleges for fifty years by special prayer for the conversion of college men, is most efficient in awakening revivals of religion. In many western colleges, in addition to these means, revivalists are frequently employed, and the results of their work are often very extended and thorough.

The frequency and the thoroughness of revivals in our colleges are indicated in the fact that Yale College, in the course of its history, has experienced no less than thirty-six, which have resulted in at least

twelve hundred conversions; Dartmouth College, nine, resulting in two hundred and fifty conversions; and Middlebury and Amherst at least twelve each, resulting, in the case of the latter college, in three hundred and fifty conversions. (Kirk's Lectures on Revivals, p. 148.)

The most interesting feature in the college revival is its entire freedom from sectarian influences. Denominational interests seldom show themselves in a college revival of the religion of Christ. Indeed, this is the case in regard to the general religious associations of the Christian students. Although most of our colleges are sectarian, yet the sectarian influences they possess over their students are slight. At the present time, of three hundred and eleven colleges, four represent the Universalist denomination, nine the Episcopal, eleven the "Christian," fourteen the Lutheran, fifteen the Congregational, thirty-three the Presbyterian, thirty-seven the Baptist, thirty-seven the Roman Catholic, and forty-nine the Methodist. The remainder is shared among the smaller denominations, as the Friends, or the Moravians; but seventy-seven of the whole number are non-sectarian. (Report of Commissioner of Education for 1880, [with corrections.]) But in the large majority of the two hundred and fifty colleges, which are regarded as denominational, excepting, of course, the Roman Catholic, the

Christian life of the students is in a marked degree free from denominational influences. Students work together in the same religious society for years without perhaps knowing whether A or B is a Methodist, a Baptist, or a Congregationalist. The Christian sect to which they belong is of hardly more consequence in their mutual association than is the State or city in which they were born.

## CHAPTER V.

## SOCIETIES.

THE division of college societies into open and secret organizations cannot be made with exactness. The doings of the open society are usually manifested to whomsoever cares to look at them, but oftentimes are half veiled from the students' curiosity. The methods and work of the so-called secret society are in certain cases concealed with Masonic strictness, and in others are revealed with childlike frankness.

The open societies are far more numerous than the secret. They are more popular with the western than with the eastern students, but nearly every college has at least one public, open society. Harvard has several open societies, whose membership is elected and comprises in the Sophomore year about one half of the members of a class of the average size, and in the succeeding years a somewhat smaller pro-

portion. With her several secret organizations Yale, too, has at least two societies which deserve to be called open, the recently revived Linonia and the Gamma Nu of the Freshman year. Princeton, prohibiting secret societies, rejoices in several of the open type, three of which are in a very flourishing condition. And Cornell, Amherst, Oberlin, Iowa College, and the vast majority of our colleges are well equipped with the students' societies.

✓ The open society is usually of a literary character; and the programme of its weekly or fortnightly meeting consists of orations, debates, essays and similar exercises. But natural history societies, art and musical clubs, French and German clubs, also flourish in a few of the colleges, as Cornell and Harvard. The degree of merit of the literary and other work of these societies is most diverse. In certain of the Harvard societies, in Yale's, Princeton's, Oberlin's, not to name others, it is high; but in those of many colleges the performances manifest a need of clear thought and a verbiage which are as saddening as they are common.

To the intellectual and literary development of the student these societies are of either great or little service, or of positive injury, according to the discretion with which he uses them. There can be no doubt but that the open literary societies have, in the

past, been of much use in the training of students. They have supplemented the curriculum. The curriculum has been the most defective in affording instruction in writing and speaking ; and the society, requiring a constant practice in these two arts, has, to a large extent, remedied these defects. But these defects of the past, in the college course of study, are now in a great degree wiped out. The colleges are constantly increasing the amount of the attention paid to the oratorical and literary accomplishments, and, therefore, the need of the literary society is now far less urgent than it was fifteen, or twenty-five, or fifty years ago. But even at the present time the literary society of his college offers advantages to the student which, if properly used, may prove of great value. These advantages may be summarized as consisting chiefly in the increase in his ability to think on his feet, facing an audience, in the increase in his facility of expression, in the practice in writing, in the acquaintance with parliamentary law and order which it necessitates and augments, and in the friendships which it fosters.

But with these excellences of the open society system are linked two dangers to which the society student is peculiarly subject. The first and the more perilous is the temptation to neglect his regular college work for the sake of delivering a creditable part

in his society; and the second, but hardly less perilous danger, a tendency to substitute bombast and verbiage for clear and condensed thought. If the student is faithful to his regular work and presents to his fellow-members the results of only patient and painstaking thinking, his society may prove of the best service to his literary and forensic culture.

But the influence and importance of the secret, are in many colleges much greater than of the open, societies. The secret society system at Yale is of at least as great importance as at any other college, and the honors which it offers are to some students in every class more attractive than the honors of high scholarship. Amherst and Williams have four or five chapters each of the principal societies, and many of the social and class-political interests of the students cluster about them. In Brown University, Hamilton, Bowdoin, Dartmouth, Cornell, Union, Columbia, Wesleyan, and Michigan University, as well as in Yale, Amherst, and Williams, the system of secret societies prevails to a considerable extent; and probably in about one hundred of our colleges at least a single chapter is founded.

The principal secret societies which have established chapters in different colleges are seven in number, and bear the names of the Alpha Delta Phi, the Delta Kappa Epsilon, the Psi Upsilon, the Kappa

Alpha, the Sigma Phi, the Chi Psi, and the Delta Psi. The three first-named societies have by far the largest number of chapters, and, though there are frequently additions to the list by means of new foundations, and omissions in consequence of dissolutions, each of the three has about twenty-five chapters. The remaining societies have some ten chapters each, established in as many different colleges. The first chapter of the Alpha Delta Phi was founded at Hamilton, in 1832; the first of the Psi Upsilon at Union, in 1833; and the first chapters of the Delta Kappa Epsilon at Princeton, Bowdoin, and Colby University, in 1845. Of the other societies the large majority of the chapters have been established within the course of the present generation. The total membership of the seven organizations from their foundation aggregates about twenty-nine thousand names, over one half of which are enrolled under the Delta Kappa Epsilon, the Alpha Delta Phi, and the Psi Upsilon. The size of the chapters differs from year to year, and with the different colleges. It is seldom that more than thirty of the undergraduates are enrolled in a single chapter, and the number often falls as low as five or six.

But besides the secret societies, with chapters in the different colleges, bearing a relation to each other similar to that which the Masonic lodges bear to one

another, several colleges have societies which are distinctively their own possessions. Among the secret societies of the latter type, the "Skull and Bones" and the "Scroll and Key" of Yale, hold the most prominent place. Founded in 1832 and 1841, they have for a generation been a most influential factor in Yale life. The membership of each consists of fifteen men of the incoming Senior class, elected by the graduating members on the eve of Commencement. Among the members are usually the ablest thinkers, the highest scholars, the most popular and the representative men of the class. An election, therefore, to either society is a deeply coveted honor. About each the strictest secrecy hangs; and what occurs within their stone, windowless, tomb-like halls is a constant riddle to the New Haven student. But from the high literary and scholarly ability of many of their members, and from the advance made by most of them in literary studies, it is not difficult to infer the general character of their weekly meetings. The influence of both associations in Yale life is very potent; and the interest which the graduate members feel in them appears to be more warm and lasting than that respecting any other feature of the college.

Unlike Yale, Harvard has no societies that can be called secret in the sense in which the "Skull and Bones" and "Scroll and Key" are secret. Although

chapters of the principal societies have been established among her students, none of them have at present an active existence; and it is probable that no secret organization would be allowed to be formed in the college. The "Hasty Pudding Club" and the Pi Eta approach, however, the most closely to the secret type, although the character and the work of both are familiar to all the students. The former is a dramatic and social club; and the latter of the same nature, tinged with a literary hue. The period of membership covers the last half of the Junior, and the first half of the Senior, year; and the number of members usually embraces about half the men of a class. Popularity and intellectual ability are the conditions most important in obtaining an election, although, oftentimes, the best scholars are members of neither association.

The conditions of membership in the societies<sup>v</sup> which are composed of affiliated chapters in the different colleges are as general and as diverse as those favorable to obtaining admission to the peculiar organizations of Yale and Harvard. These conditions vary in the case of the same society in the different colleges, and also in the case of different societies in the same college. For admission to certain chapters<sup>v</sup> wealth is the only essential; to others only scholarship and intellectual ability; to others literary excel-

lence and eminent social qualities; and to yet others all those indefinable qualities which make a "fine fellow."

✓ The qualities that favor an election to a secret society indicate in general the character of the work and of the pleasures which its members cultivate. In at least one chapter in nearly every college the work is of a literary character; and to the preparation of orations and essays the members oftentimes give more attention than to the preparation of similar exercises for the college professor of rhetoric. The literary society has proved, with not a few graduates, to be an admirable training school for the editorial desk, the bar, the pulpit, and the platform. Another society is specially devoted to the discussion of political questions, which it does with quite as much sagacity and with far more decorum than the usual session of the House of Representatives. But the most common  
↓ type of the secret society is the social, and, indeed, whatever may be the phase specially represented by the society, the social invariably receives a considerable degree of emphasis. The social bias of the club is indicated in cards, games of various sorts, conversation upon topics both high and low, and in the weekly or monthly dinner spread in the rooms. In the social society the warmest and the most lasting friendships of college life are formed, and, in the

judgment of many graduates, the fostering of intimate friendship is the most valuable of all the results which secret societies effect.

Regarding the expenses of membership, only the initiated have accurate knowledge, and they are not permitted to exhibit their financial budgets. Yet certain general conclusions are evident. The initiation fee seldom exceeds thirty dollars, and is frequently much less ; and the annual tax varies with the actual expenses. If a society is composed of a few wealthy men, this tax may amount to a hundred dollars, but in other cases it does not exceed twenty. If the membership comprises both the poor and the rich student, the rich often relieves his brother of all financial burdens. The poor is seldom or never compelled to pay beyond his means ; the rich is usually glad to give of his abundance. The expenses of the buildings, which the society either owns or occupies, is often very great. The marble building of the "Scroll and Key," at New Haven, cost about fifty thousand dollars ; and that of the "Skull and Bones" is worth at least twenty-five thousand. The Alpha Delta Phi has a very good building at Amherst, and the new hall of the Kappa Alpha, at Williams, cost fifteen thousand. These funds are contributed in a large measure by the graduate members, and the undergraduates bear but a small proportion of the heavier expenses of the society.

The interest which many graduates feel in their society is usually very deep and warm. Their connection with it does not cease on graduation as with the college. They are still its members, are consulted in reference to alterations in its methods of work, are always, on Commencement and other occasions, welcomed and entitled to its hospitalities. They also form associations similar to the alumni associations of the college, and by frequent meetings keep their interest in its welfare fresh and strong. In the mutual helpfulness of its members, after as well as before graduation, the college secret society is akin to the Masonic or Odd Fellow system ; and many cases might be recited of aid given in the late war by Unionist to rebel, or by rebel to Unionist, making his need known by the signs of the association, on the ground that once they were, or still are, members of the same society, though in widely separated colleges.

Regarding the usefulness and the injury effected by the secret society system in American colleges, the most opposite positions are held by college officers. The late President Chadbourne of Williams, Chamberlain of Bowdoin, maintain that their influence on the whole is beneficial ; but Chancellor Howard Crosby, recently of the University of the city of New York, Presidents Robinson of Brown, and McCosh of Princeton, oppose them on strong grounds ; one col-

lege president writes of their "babyishness," and another calls them an "unmitigated nuisance." The principal objections which may be urged against them have been summarized by Dr. Crosby, as:

1. "They are pretenses, and thus at war with truth, candor, and manliness."
2. "The opportunity given by the secrecy to immorality."
3. "The confidence between parent and child is broken, and hence destroyed, by these secret societies."
4. They "interfere with a faithful course of study."
5. "Natural use of these societies for disturbance of public order."
6. "Their evil influence upon the regular literary societies of the college, which are instituted as adjuncts of the curriculum."
7. "Their expensiveness."

But the truthfulness of these objections would be denied by many college men. For, though the grounds upon which the objections are based exist in certain societies, they are not, it would be claimed, necessarily inherent in the system.

On the other hand, the arguments most generally urged in their favor are the friendships which they foster, the literary and forensic discipline they give, the home which they afford to the homeless student,

and the mutual helpfulness which they extend to both undergraduate and graduate member. In many colleges, therefore, and among many students, they are regarded with much esteem; but in other colleges they are the bane of three-fourths of the students and the object of constant fear to the governing boards.

## CHAPTER VI.

### ATHLETICS AND HEALTH.

COLLEGE athletics may be divided, though not with precision, into those sports which are played to a great degree for their own sakes, and into those which are sought less for their own sake than as a condition of the best mental exertion. Cricket, foot-ball, baseball, boating, tennis and lacrosse, compose the former class; and the exercise usually performed in the gymnasium the latter.

Cricket and foot-ball have never obtained that standing among American college men that immemorial usage has given them among English school boys. For at least half a century, however, the students of several of the older colleges have played the games with varying degrees of interest and expertness. Cricket has at times been very popular; and foot-ball at several periods, as in the sixth decade of the present century, has aroused all the energies of the under-

graduate nerve and muscle. Only few cricket clubs are now organized ; yet foot-ball elevens are formed in many of the colleges.

At the present time base-ball occasions an interest which neither cricket nor foot-ball has ever commanded. The date of the origin of the game cannot be determined with exactness. The Knickerbocker Club of Hoboken claims the year 1845 as its birth-year ; but it was not till fifteen or seventeen years later that it began to assume an important place among the athletic sports of college men. Base-ball has now become as common and popular in our colleges as cricket was or is at the English schools. Nearly every college has its nine composed of the best players among its students ; and in the largest colleges class nines are also formed. During the ball season, covering the fall and the spring months, constant practice in playing is had on the grounds allotted by the college for the purpose ; and in the winter months the candidates for the nine engage in those exercises which specially fit them for effective service on the ball field. Tournaments are held each spring for the college championship among several colleges ; and the games of Yale, Harvard, Princeton, Amherst, and Brown, by reason of the large number of their students and other causes, arouse a high degree of enthusiasm. But the cham-

pionship ball usually rests in the hands of either Harvard or Yale, though it has lain in those of Princeton.

It is, however, as at Oxford and Cambridge, in boating that the principal athletic interest of the students is focalized. In the middle of the fifth decade of the current century the first boat clubs were formed in the colleges. In 1843 at Yale and in 1844 at Harvard clubs were first organized which, though composed of few members and awakening little enthusiasm, are the beginnings of the present extensive system of American college boating. The growth of the system has been very rapid. Nearly every college in the East which is situated near a river or a lake has its boat club; and in several of the larger colleges, as Cornell, Harvard, and Yale, class and other crews are organized. The interest of the students in the sport is fostered by the intercollegiate regattas which occur every July, and by the contests between rival crews of the same college. The first regatta between college crews was rowed on Lake Winnipiseogee in August, 1852. Harvard and Yale were the only contestants, and the result was a victory for Harvard. The first regatta in which more than two college crews participated occurred in July, 1859, in which Yale and Brown were beaten by Harvard. Sixteen large and notable regattas have since been

pulled. Of them Harvard has won in eight, Yale in four, and the Amherst Agricultural, Amherst, Columbia, and Cornell in one each. In 1871 the National Rowing Association of the American Colleges was organized. In two years it had grown to include the eleven colleges of Yale, Harvard, Wesleyan, Columbia, Cornell, Amherst, Dartmouth, Amherst Agricultural, Bowdoin, Trinity and Williams. Between the crews of these colleges the regatta of the famous "diagonal finish line," was rowed on the Connecticut at Springfield in 1873. But the difficulty of finding a suitable course for so many boats occasioned the dissolution of the Association; and in the year of 1878 the chief interest in college boating returned to center, as of old, upon the annual contest between Harvard and Yale.

The rowing of American college men, though constantly improving in style and swiftness, is not equal to that of the Oxford and Cambridge oarsmen. The English universities have at least three advantages in regard to boating, not possessed by our colleges. The number of students from whom a crew can be selected is far greater in either of the universities than in the largest of our own colleges. In England, too, considerable attainment is made by many men in the art before going to Oxford or Cambridge; but here many men never handle an oar before entering college.

The English people, moreover, and the English journals, manifest a deeper interest in the annual race between Oxford and Cambridge than is excited in this country by the college regattas ; and therefore the English university oarsman has inducements for hard training not possessed by his Harvard or Yale cousin. But in spite of these advantages, the two occasions on which the undergraduate crews of the two countries have met indicate the excellence of American college oarsmanship. In 1869 the Oxford four, "the finest four-oared crew that ever rowed on the Thames," beat the Harvard four over a course of four and a quarter miles by only six seconds. The victory of Columbia at Henley, in July, 1878, also proves both the improvement and the present effectiveness of American undergraduate rowing.

The training that is requisite to occupying a seat among a college six or eight is long and severe. In the winter daily practice in the gymnasium with rowing weights and Indian clubs and frequent runs of three or four miles in the open air, and in the spring and summer daily pulls on the water form the most approved methods of training. The diet, also, particularly near the time of the race, is carefully attended to. Previously to 1867 the bill of fare was very limited ; beef and mutton were the only meats and rice the only vegetable generally allowed. Water

and milk alone were drank, and in very small quantities. But in that year a change in English opinion regarding the regimen best adapted to men in training, increased the number and the amount of the articles of diet, and at present the men are permitted great liberty of choice in eating and drinking. The purpose now is to keep up and to increase, not as formerly to decrease, the weight while doing a full amount of work in training. The present system is justified by the time that has been made in the recent races, the quickest ever made by our undergraduate crews. A similar, though not as rigorous, course of training is pursued by the base-ball men.

The effect of constant attention to these sports upon the health and length of life of the rowing and ball men is on the whole excellent. This has been conclusively proved by the investigations of an able English writer in regard to the health and longevity of the English boating men. The chief danger lies in the liability to disorders of the heart, caused by sudden exertions; but as those peculiarly subject to these diseases seldom touch an oar or a bat, the evils thus occasioned are slight. But not a few men of weak constitutions have been made vigorous and muscular by their college rowing and ball-playing.

The effect of attention to boating and ball upon scholarship is not as excellent as upon health and in

increasing the length of one's days. Though with some marked exceptions, the scholastic rank of boating and ball men is low. The expenditure of the energy necessary to an indulgence in the sports decreases the amount of the thought and study that might otherwise be given to Tacitus and the Calculus. But the men who even in the largest colleges pay special attention to boating and ball hardly exceed thirty in number, and they are usually of that class which is not attracted to scholarly pursuits. Their athletic interests, therefore, absorb those energies which would in many cases be given to other work than that of the curriculum. Yet there are notable instances in which the enthusiasm of a brilliant scholar in his Greek and philosophy has decreased in proportion as his enthusiasm in boating or ball has increased.

Within the last decade the physical exercises of college men have developed along an altogether new line. "Athletic Associations" have sprung up in many colleges, whose purpose is to cherish the love of such sports as running, walking and jumping. Contests are held either once or twice a year; and at them prizes are offered, in competition, to the swiftest walkers and runners of the college. Though the intercollegiate contests are no longer held, as several years ago, at Saratoga, yet the interest

in these forms of physical exercise is well maintained in a large number of colleges.

It is not, however, in cricket or foot-ball, base-ball, boating or "athletic associations" that the interests of the large body of students center: these interests concentrate in the gymnasium. Probably about one half of the whole number of colleges has a gymnasium furnished in a greater or less degree of efficiency with parallel and horizontal bars, iron and wooden dumb-bells, bowling alleys, rowing weights and similar apparatus. It is hardly a score of years, however, since a well-equipped gymnasium has come to be regarded as an essential instrument in college education. Yale's gymnasium was not built till 1859, and Harvard's and Amherst's not till the next year. Previously, however, the Yale and Harvard men had been accustomed to exercise on apparatus erected in the open air. The proportion of the students in the different colleges who avail themselves of the privileges of the gymnasium is very diverse. In Yale about one-half of the men exercise with a greater or less degree of regularity; in Harvard about two-thirds; and in Amherst, which, unlike most colleges, makes attendance obligatory for half an hour on four days of the week, eighty-four per cent of the students are present at the regular exercises.

The results that flow from a constant and careful practice in the gymnasium are numerous and excel-

lent. To it is due in a large measure the improved bearing and better health of the present generation of college men. The typical college man is no longer sallow-faced, hollow-chested and weak-kneed, but of strong nerves, muscular and vigorous. His health is better, his strength greater than the health and strength of the average New York or Boston clerk of the same age. His freedom from sickness is indicated by the testimony of Dr. Hitchcock, of Amherst, regarding the students under his charge.

"Dr Jarvis says that the amount of time lost by each laborer in Europe is from 19 to 20 days each year; and the Massachusetts board of health state that in 1872, in this commonwealth, each productive person lost 13 days by sickness. A man here is put on the sick-list if he is absent more than two consecutive days from all college exercises. With this as a comparison, between the years of 1861-2 and 1876-7 inclusive, 23.30 per cent of the college have been entered on the sick-list, or, every student in college has constructively lost 2.64 days each year by illness; and every sick student has averaged 11.36 days of absence from college duties. During this same period 48, or three each year on an average, have left college from physical disabilities, although 16 of these have returned and entered again their own or a succeeding class. The causes which produced

these removals were in 7 cases, constitutional debility ; in 6, typhoid fever ; in 5, consumptive tendencies ; in 6, weak or injured eyes, and single cases because of other infirmities. During this period of 16 years, 16 students have died while connected with college—10 from typhoid fever or its results, 3 by violent deaths (all of them during vacation), 2 by consumption, and 1 by brain fever."

Although Harvard and Amherst, with regular professors of physical education and hygiene, pay more attention to the gymnastic exercise of their students than other colleges, results of similar excellence flow from the gymnastic work of students in many institutions.

But the effect of regular practice in the gymnasium upon the mind is as marked as its effect upon the body. It is a commonplace to say that regular physical exercise is a condition of the best mental exertion ; but as a matter of fact it is true that the best students are most conscientious regarding their exercise. It is not the working eight or ten hours a day which kills students, but it is the lack of exercise, the late hours of study and other indiscretions. But by regular work in the gymnasium for a half or three-quarters an hour daily, or by a walk of three or four miles, the faithful student may be sure of keeping his body strong, his mind clear, and his rank near the head of his class.

## CHAPTER VII.

## JOURNALISM.

It was a hundred and ten years after the first newspaper was published in America that, as far as I can discover, the first college journal appeared. In 1800 the Dartmouth students issued a paper called "The Gazette," which is chiefly memorable as containing in 1802-3 numerous articles by Daniel Webster, then a graduate of one year's standing. They were signed "Icarus," a pseudonym at the time unacknowledged, but which a few years later Mr. Webster confessed belonged to himself. Yale, in the course of the present century, has had several journals, the majority of which, for pecuniary and other reasons, have enjoyed but a short lease of life. The first was "The Literary Cabinet," an eight-paged fortnightly, whose first number appeared in 1806. The publisher announced that it was his "unalterable resolve to appropriate the pecuniary profits to the

education of poor students in the seminary," but, unfortunately for the poor students, "The Cabinet" died in less than a year after its birth. It was followed by "The Athenæum," "The Palladium," "The Students' Companion," "The Gridiron," and other papers which, failing each in turn to receive the literary and pecuniary support of the students, seldom lived for more than a twelvemonth. But in 1839 was established "The Yale Literary Magazine," which is the oldest living, as it is generally recognized to be among the best, of college journals. It was and is issued monthly during the college year, and each number consists of about forty pages of the usual magazine size. Its table of contents is made up of essays chiefly upon literary and educational topics, of paragraphs called "Notabilia," and of brief notes upon Yale and its affairs, styled "Memorabilia Yalensia." This latter admirable department was established by Mr. D. C. Gilman — now president of the Johns Hopkins University—during his editorship. It is a daily bulletin, published monthly, of doings at Yale, written in a terse and graphic style, and is one of the most interesting features of an interesting college journal. Its five editors are usually considered the best literary men of the Senior class, and an election to the "Lit. Board" is justly esteemed one of the highest honors of Yale life. In the course of its forty-four

years, not a few of those who have won distinction by literary and educational work have served an apprenticeship on the "Lit." Secretary Evarts was one of the founders of the magazine, and Donald G. Mitchell, of Yale's class of 1841, Doctor J. P. Thompson, of 1838, Senator O. S. Ferry, of 1844, President A. D. White, of 1853, and several others not less distinguished have been among its editors. It is still an important factor in Yale life, and together with a similar journal published by the Princeton students, is usually regarded as of the best of college publications of its type.

At the present time Yale has, besides its "Literary Magazine," two fortnightly papers, the "Courant" and the "Record," and the daily "News." Edited by boards selected from and in part by the students, they are devoted to the discussion of college affairs and to the communication to graduates and the public of Yale news.

Although Harvard's papers have been less numerous than Yale's, they indicate (considered as a whole) greater literary ability and have had greater influence on college opinion. The first, the "Harvard Lyceum," appeared in 1810, with Edward Everett among its eight editors. It was a semi-monthly literary magazine, but had, Mr. Everett remarks in his "Autobiography," no permanent literary value. Dying a natural death before the close of the year, it was succeeded

derived from the members of the college as well as from the editorial pen. Its subscribers number about five hundred, and are usually equally divided between the college students and the graduates. Perhaps a few journals print a thousand copies, but so large a subscription list is rare; and two hundred and fifty copies is as low a limit as is commonly reached. The usual price of a fortnightly is \$2.00 for the college year, and from the proceeds of its subscriptions and its advertisements it usually succeeds in meeting the expenses of publication. But a college journal seldom is, as it is seldom intended to be, a source of pecuniary income.

There are, however, certain peculiar developments in the history of college publications which deserve notice. One of these developments is the "University Quarterly." The "University Quarterly" was undoubtedly the most important venture, both in its intrinsic importance and in the high anticipations it awakened, ever undertaken in college journalism. It was a quarterly of two hundred pages started at New Haven in 1860 by Joseph Cook and other Yale men, and was intended "to enlist," says the author of "Four Years at Yale," "the active talent of young men in American, and so far as possible in foreign, universities in the discussion of questions and the communications of intelligence of common interest to

students." Made up of "news, local sketches, reformatory thought and literary essays from all the principal seats of classical and professional learning," its chief purpose was to unite "the sympathies of academical, collegiate and professional students throughout the world." Its management was vested in editors and correspondents chosen from the students of different colleges, and the board at New Haven, the place of publication, served as a sort of managing editor. At one time no less than thirty-three colleges and professional schools were represented by the "Quarterly," among which were, of the foreign universities, those of Berlin, Halle, Heidelberg and Cambridge. But the difficulty of controlling so large and heterogeneous a body of editors, and the breaking out of the war absorbing every bit of undergraduate enthusiasm, necessitated the "Quarterly's" suspension. The last of its eight numbers appeared in October, 1861. But in its brief career it was of much value in uniting the sympathies of different colleges and in communicating intelligence regarding the higher education in this and foreign countries. The interest taken in, and the amount of work done for, the journal by different colleges was most diverse. Yale was undoubtedly the most enthusiastic in its support, and about one-third of the literary matter was contributed by Yale men. Amherst also manifested much interest

in the "Quarterly," and of her students Francis A. Walker was a faithful contributor. Harvard gave comparatively little aid, but Mr. Garrison, now of the "Nation," was an efficient representative of the Cambridge college. The average edition of the "Quarterly" consisted of about fourteen hundred copies; and it appears that its pecuniary affairs were wound up without loss to its conductors—a somewhat rare circumstance in the death of a college journal.

Another departure from the usual type of the college journal is represented in the "Harvard Lampoon." The "Lampoon," is a college "Punch," issued fortnightly, of a dozen pages of letter-press and as many cartoons setting forth humorous scenes chiefly in college and social life. At its appearance in the spring of 1876, its pen and pencil were confined to the college, but at the opening of the academic year of 1877-78, it enlarged its sphere; and for a year its purpose was "to reproduce to the life the 'quips and cranks and wanton wiles' of the free-born American citizen as well as those of the typical student, so that wretches who never heard of Harvard will be able to smile at his jests and weep over his pathos. Whenever in future any question of such general concern as the natural depravity of the Spitz dog or the sanitary efficacy of azure glass is endangering the relations of parents and children throughout

the land ; if the mayor of Boston becomes desirous of having the horse-cars as well the ferries free ; or the ladies of Washington seek to restrain Mehemet Ali Pacha from drinking ice-water when he accepts the hospitalities of the nation,—Lampy will have his little say on the subject, and his pen and pencil will not be idle." The success that attended "Lampy's" effort, in view of the usual fate of American humorous journals, is good evidence of the excellence of its work. Many of its *bon mots* and verses have been exceedingly clever, and some of its cartoons are worthy of Du Maurier. It has been, as a whole, remarkably free from every feature open to objection in point of moral taste ; and by the general, as well as the college, press it has been constantly received with much favor.

The purposes which the college paper accomplishes in American college life are numerous and important. It is, in the first place, a mirror of undergraduate sentiment, and is either scholarly or vulgar, frivolous or dignified, as are the students who edit and publish it. A father, therefore, debating where to educate his son, would get a clearer idea of the type of moral and intellectual character which a college forms in her students from a year's file of their fortnightly paper than from her annual catalogue or the private letters of her professors. To the college

officers, also, it is an indicator of the pulse of college opinion. The discussion of all questions regarding the varied interests of the college—the dissatisfaction with Professor A——’s method of conducting recitations, or with the librarian’s new code, or with the advance in the annual price of college rooms—is sure to voice itself in the college paper. Indeed the spirit of rebellion among college men often flows out into ink, when, if they had no paper in which to relate their grievances, it would—as it now too often does—manifest itself in boyish mobs and “gunpowder plots.” The college journal is, indeed, as a distinguished professor recently said of the paper of his college, “the outstanding member of the college faculty.”

But the paper reflects the moral and intellectual condition of its college, not only for the officers and patrons of its own college, but also for the members of other colleges. The Harvard papers, for instance, represent Harvard life to other colleges, just as American newspapers represent American life to Europeans. Each paper has a list of some fifty or sixty “exchanges,” which, after being examined by the “exchange editor,” are usually placed in the public reading-room for the use of the students. It is also the custom, to a considerable and a growing extent, for the best journals to devote at least a page to news from other colleges. These items of news

are usually culled from the "exchanges," but in some cases they are directly furnished by correspondents engaged for the purpose. The influence of college papers in thus promoting inter-collegiate friendship, and in exhibiting the methods of instruction and government, is of great service to the cause of higher education.

Another important purpose which the college journal fulfils is in informing the graduate of the changes through which his *alma mater* passes; it is a fortnightly letter from his college home. Its alumni column notes the chief events in the lives of all graduates; and the whole paper helps to keep his college memories green. About half of the list of subscribers to many of the journals is made up of the names of graduates, and graduates not infrequently contribute articles, especially upon athletic topics.

The college paper also serves as an admirable training school for professional journalists. Quickness of thought and of action, coolness of judgment and of purpose, and impartiality which Mr. Hudson, in his *History of Journalism*, suggests as the essentials of a good journalist, receive excellent discipline on the college editorial board. The college journal is the best school of journalism, outside of its own curriculum, which the college affords. The merit of their editorial work in college has won for not a few stu-

dents, on their graduation, a position on the staff of a New York or Boston paper.

The character of much of the writing in the best college papers is most praiseworthy. The topics are usually of immediate interest to the college world, and are treated with directness, perspicuity and considerable energy of style. Written, as many of the articles are, under the pressure of college work, they indicate a clearness of thought and a facility of execution worthy, in certain cases, of experienced journalists. But in the college magazines, which are published quarterly or monthly, these excellences are not as marked as in the fortnightly or weekly journal. The subjects of the leading articles in the magazines seldom possess immediate interest, and the style is often labored and oratorical. In topic and treatment they are not dissimilar to the forensics and theses which a senior writes for his professor of rhetoric. But the editorial paragraphs in the quarterlies are clear, pointed and interesting.

The wit and humor, also, that abound in the college journals are of a most commendable and genuine character. College life, it is needless to say, is fertile, in comparison with business or professional life, in the ludicrous; and many of the witticisms that appear in the college papers are reports of the table-talk of an eating club, or of the happy retorts of a

professor to a jesting student. Not a few humorous verses, also, bright and rollicking, have come from college pens. One of the earliest, as well as one of the best, parodies ever published in this country appeared in the "Harvard Lyceum," in the first years of college journalism. Joel Barlow's "Columbiad" was the object of its pleasantry ; and, written by Edward Everett in 1810, it has both a literary and an historic interest. The following extract describes "the vexations of a person who finds in the midst of a dance, that his hose are swinging from their moorings :"

"And while he dances in vivacious glee  
He feels his stockings loosening from his knee ;  
The slippery silk in mind-benumbing rounds  
Descends in folds at all his nimble bounds.

\* \* \* \* \*

Thy partner wonders at the change. No more  
She sees thee bound elastic from the floor ;  
No more she sees thine easy graceful air :—  
Each step is measured with exactest care."

Of the many bright verses that have of late years appeared in the college papers, the following from the "Harvard Advocate" of May, 1870, are pre-eminent. They were written by Mr. Charles A. Prince of Boston, when a Harvard student, and are addressed "To Pupils in Elocution :"

"The human lungs reverberate sometimes with great velocity  
When windy individuals indulge in much verbosity,  
They have to twirl the glottis sixty thousand times a minute,  
And push and punch the diaphragm as though the deuce were  
in it.

## CHORUS.

The pharynx now goes up ;  
The larynx with a slam,  
Ejects a note  
From out the throat,  
Pushed by the diaphragm."

But, although the humorous side of college life is thus developed in the best of the papers, their moral character and influence are excellent. They are remarkably free from vulgarity. Slang, though not infrequent in college conversation, seldom creeps into their columns. Their hatred of every species of sham and deceit is most marked. Their love for whatever they regard as their own honor or that of their college is genuine ; and the respect they constantly, as a class, manifest for religion is a fit model for the imitation of certain daily journals. The college paper is, therefore, in respect to moral character, usually rather above than below the level of college sentiment, and its moral influence, therefore, is elevating.

But to these excellent purposes and characteristics of the college paper are joined two evils which must be weighed in forming any just estimate of its

worth and usefulness. The first evil is that the student's editorial duties are liable to exhaust his energies, and thus to unfit him for his regular college work. Every college intends to provide her men with sufficient work to monopolize their time and strength; if, therefore, the paper absorbs much of the student-editor's attention, he is compelled to neglect his Greek and mathematics. The evil of this course is obvious. It is the wellnigh universal experience that the continued neglect of the regular college studies for the sake of the college paper is seldom helpful; and is often disastrous, to scholarship and intellectual discipline. A college editorship is an excellent avocation, but a very bad vocation.

The other danger to which the young editor is exposed is that of forming a faulty style. The rapid writing which he is sometimes compelled to do cultivates superficiality of thought, and the necessity under which he often labors, of "filling up space," fosters bombast, slovenliness, and looseness of expression. He is frequently placed in emergencies most opposed to the cultivation of that patient and painstaking habit of composition which it is the especial duty of a young writer to cherish. But neither this evil nor that of a neglect of college work is necessarily inherent in college journalism; a wise discretion can avoid them.

The college paper is essentially an American production. The German universities have no publication of the sort, and the English universities of Oxford and Cambridge have no journal that precisely corresponds to the American college paper. The "Oxford and Cambridge Undergraduates' Journal" is devoted to the interests of the Oxford and Cambridge students, containing sketches of sermons preached in their pulpits, and reports of their scholastic and athletic affairs; but it is both edited and published by those not connected with the universities. A few papers are, however, issued by the English students. Their sphere is usually more restricted to the institution whose name they bear than are the American college journals; but in other respects they are not dissimilar.

It remains to note the latest development in American college journalism. It is the daily paper. The first in the order of establishment was the Yale "News," now in its fifth volume; the second the Harvard "Echo," a paper which has lately been absorbed in the "Herald." The college daily paper is emphatically a *news* paper. Its comments on the news of its college are usually brief, but its presentation of the news is full and fresh.

## CHAPTER VIII.

## FELLOWSHIPS.

COLLEGE fellowships, or post-graduate scholarships, are primarily institutions of Oxford and Cambridge. The twenty colleges of which Oxford university is composed possess three hundred scholarships and nearly an equal number of fellowships. The purposes which a fellowship is designed to accomplish, are chiefly four : it is a reward for high scholarship ; it serves as a ladder for the indigent student to rise by ; it is a recompense for the instruction which the fellow is required to give ; and the holders of fellowships form the governing board of the college. The scholars and fellows are elected, after a competitive examination, by the officers of the college, and retain their foundation for various lengths of time. An Oxford fellowship can, with few exceptions, be held for life ; but marriage, ecclesiastical preferment or accession to property of a certain amount usually

compels him to surrender his foundation. At Cambridge, however, certain fellowships are held for a limited number of years, as those in Trinity College for ten, and those in Queen's for seven. An Oxford scholarship, too, can seldom be retained for more than five years.

The annual income of an Oxford scholarship varies from £60 to £125; but the average is about £100. The annual income of an Oxford fellowship is, however, seldom less than £200 and seldom more than £300. With an annual income of £250,000 (more than double the income of Harvard university in all its departments), Oxford University expends each year £35,000 in scholarships, and £90,000, in fellowships.

The conditions under which the fellow enjoys his annuity are usually very few and liberal. He is at liberty to pursue almost any line of intellectual labor. In many cases his position is a mere sinecure, and involves no actual work. In other cases it is, and in all cases may be, most effectually used for the advancement of the higher learning; but too often the holder of a life fellowship at Oxford or Cambridge is a mere annuitant, and his attainments are of little service either to the university from which he annually receives a thousand dollars, or to English scholarship and culture.

Unlike Oxford and Cambridge, the German universities have no system of fellowships. Each university is, however, possessed of a certain number of "exhibitions," ranging in value from sixty to three hundred dollars, for the benefit of needy students. Each needy student also avails himself of the two public lectures a week, which a professor is required to give, and is, in many cases, allowed to attend all the lectures without payment of fees. But to the student who has taken his degree and is still pursuing his studies, the German university has neither fellowship nor scholarship to offer.

The pecuniary privileges which the American college offers its students for post-graduate study are, in comparison with those provided by the English universities, very meager. Of our three hundred colleges, Yale, Princeton, Harvard and the Johns Hopkins University are the principal ones that offer fellowships for the prosecution of advanced learning.

Yale has seven fellowships, or scholarships, the annual value of which ranges from forty-six to (at least) six hundred dollars. Two are of the larger amount. One fellowship is tenable for five years, but the others for not more than three. High scholarship and good character are the general conditions for obtaining these honors; and the prosecution of a non-

professional course of study, as science, literature or philology, in New Haven, under the direction of the college faculty, is the general condition for retaining them.

Princeton, which claims to be "taking the lead in encouraging advanced learning by means of fellowships," now has six, with expectations of an early increase in their number and income. They are awarded by competition, which is open to any member of the graduating class, and are held for a single year. The fellow pursues his studies in either philosophy, science, mathematics, classics, history or modern languages, according as his fellowship is designed. The annual income of three of these foundations is six hundred dollars each, and of three, one-half this amount. During the last eleven years, fellows have been pursuing advanced studies in philosophy, philology, and science, both at Princeton and at the English and German universities. The introduction of the fellowship system at Princeton is due in the main to the efforts of its president, Dr. McCosh. It is substantially the same system which he drew up in 1860-61 for the Scottish universities. "I have," he writes me recently, "only made a beginning, but a good beginning. We are really producing scholars."

Harvard, has eight fellowships, but of somewhat larger value than those of her sister col-

leges. Four have an annual income of about six hundred dollars and four of at least eight hundred dollars each. The latter are "traveling fellowships," and the holder, seldom remaining in this country, usually spends the allotted period of three years in some German university. One of these fellowships, it is worthy of note, was founded in 1871 by George Bancroft. A little more than sixty years ago, Edward Everett suggested to President Kirkland that "it would be well to send some young graduate of Harvard to study for a while at some German university." The choice of the president fell upon young Bancroft, who, then in his eighteenth year, proceeded at once to Göttingen. It is interesting to note that the founder of what is doubtless the most valuable fellowship in any of our colleges was the first American who studied in a German university under the patronage of an American college. The election to a fellowship at Harvard, as at every American college, is a fitting crown to a successful college course; and only that graduate of the college or professional school is elected to the honor whose scholarly attainments are conclusive proof of special aptitude for research in one of the branches of higher learning. The fellow, before his election by the academic faculty, suggests the department in which he wishes to study, and it usually proves to be that

in which by his college work he has become proficient. At the present time Harvard has fellows resident both in Cambridge and in Germany engaged in the study of history, zoölogy, mathematics, the modern languages, and other departments of advanced knowledge.

It is, however, the new university at Baltimore which offers the most generous encouragement for the pursuit of the higher learning. The Johns Hopkins University, with an endowment of three and a half millions, provides twenty fellowships, each of an annual value of five hundred dollars. They are bestowed upon "advanced scholars from any place" for excellence in one of the ten departments of philology, literature, history, ethics and metaphysics, political science, mathematics, engineering, physics, chemistry, and natural history. The object of the foundation is, in the words of the trustees, "to give to scholars of promise the opportunity to prosecute further studies, under favorable circumstances, and likewise to open a career for those who propose to follow the pursuit of literature or science." The chief condition of the assignment, besides a liberal education and an upright character, is a "decided proclivity towards a special line of study." With these designs and conditions, the popularity of the scheme proved to be so great that at the first assignment in 1876 there were

one hundred and fifty-two applicants, representing forty-six different colleges. From this large number twenty were selected as fellows, who at once began to prosecute special studies under the immediate patronage of the university. The fellowships are, as at present constituted, renewable to the same holder for successive years, and his progress is tested from time to time by the writing of a thesis, delivery of a lecture, or by some similar method. Its fellowship system has, like the university, been established for only seven years, and its results are necessarily somewhat uncertain. But President Gilman writes, "the scheme is working admirably, and if I could tell you just what each one of the holders of fellowships is doing it would, I think, establish the wisdom of our foundations."

The purposes which the fellowship system, as it is now being established in American colleges, is intended to serve, are the advancement of scholarship and the promotion of original thought and investigation. A fellowship in an American college is not, as often it is in the English universities, a sinecure. It is not simply the reward for success in passing a series of examinations. It is not merely the ladder by which the student is to climb to distinction. But it is a privilege by the fit use of which he can advance the higher learning and enlarge the boundaries of

2. It should seldom be held for more than three, or, at most, for more than four years. The progress which the fellow makes in this length of time enables him, with but little outlay of time or strength, to give instruction sufficient to provide for his pecuniary needs. The fellowship in such a case should at once be reassigned.

3. If the fellow resides in Germany, as he usually will, he should be made a sort of corresponding member of his college faculty. The information which he could transmit regarding the educational movements occurring in the German gymnasia and universities would prove of much service to American colleges and American scholarship.

## CHAPTER IX.

## CHOICE OF A COLLEGE.

THE most important question concerning his education which the student decides before entering upon a collegiate course of study relates to the choice of a college. This question he decides sometimes in accordance with the preferences of friends, frequently from caprice, and often by the trivial reasons of the nearness of a college to his home or of the personal friendship of one of its professors. There are, however, several principles of absolute worth which the student, selecting a college, may use as the tests of the excellence of a college.

The first of these principles is the quality of the instruction which a college offers. That college whose instruction is the most thorough and critical, the most advanced in respect to the extent of the subjects studied, that makes the severest demands upon the student's mental strength and that arouses his

scholarly enthusiasm to the highest point is, so far forth, the best college. Such instruction attains most effectively the chief purpose of any scheme of education—the discipline of the mind.

The second principle is the amount of the instruction. If a college has a prescribed course, without optional studies, the amount of the instruction which it provides cannot influence the choice of the student, for this amount seldom varies from fifteen hours of recitations a week to each class. But if a college has an elective system the quantity of its instruction may seriously influence his choice. For the elective system greatly increases the number and extent of the studies which he may pursue. To the student, therefore, who wishes to take up a course of study most directly preparatory for a certain profession, or who is conscious of possessing an aptitude for certain departments of study, the amount of the instruction forms a most important element of choice. The student, moreover, who on entering college is unconscious of possessing a particular fitness for a special line of intellectual work, will probably awaken by the close of his second year to the consciousness of this possession. To the large majority, therefore, of all men who are selecting a college, the amount of the instruction afforded, forms an important principle of choice.

A third principle is represented by the moral and religious influence of a college. The peril of the collegian is not that he will fail to have sufficient temptations to resist to form a strong character, but that a torrent of them will sweep him into moral ruin. That college, therefore, of the purest moral and noblest religious atmosphere should, *ceteris paribus*, be selected.

Another principle is indicated in the expense of a college course. With the wealthy student this consideration has but little weight; but with the poor it is frequently the most important factor in his choice. To him the question appeals in two ways: he may select a college at which the expenses are small, but which affords no pecuniary aid; or a college the cost of whose education is relatively great, but which by its scholarships and beneficiary funds makes his expenses as small (or smaller) as at the former college. The decision between these two methods will, of course, be determined by other considerations than the pecuniary.

The four principles of the quality and the amount of the instruction, of the moral and religious influence, and of the expenses of a college, the student, in his selection, should apply with critical exactness, and in accordance with the result of the application should generally make his choice. Yet there are other con-

siderations which do and ought to weigh in his decision.

Among these principles of minor importance are the reputation of a college, its location in respect to health, natural scenery and general society, the number of its students, and the advantages it affords by means of fellowships for post-graduate study. The alumnus of an old and well-reputed college has a presumption in favor of the excellence of his education which the graduate of a new and unknown college cannot enjoy. This presumption holds good till actual trial proves (as it oftentimes will prove) that the training of the latter graduate is superior to that of the former. The hygienic influences of the location of the vast majority of the colleges is excellent; and the only elements of choice to be compared are the advantages and disadvantages of a residence of four years near the ocean or in the interior. But the natural scenery encircling the colleges is most diverse in beauty and picturesqueness. That surrounding the country colleges is of course more varied and sublime than that which can be enjoyed near or in the city. But in respect to society the opposite condition prevails. The society open to the student of the city colleges is, as a rule, far superior to that afforded in country-college towns; and the advantage of larger libraries, of art galleries, of music and the drama are

open to the city, but denied to the country, student. The size of a college should also qualify to some extent the choice. A college of several hundred students offers the most favorable opportunities for removing eccentricities of mental habit and of manners, and for obtaining the highest and most liberal point of view for judging all questions presented for consideration. It permits the student, as Bacon suggests in respect to travel, to "suck the experiences of many," which is impossible in a small college. Yet, as a class, the moral and religious condition of the small colleges is superior to that of the large. The society system and the system of athletic sports of a college attract and repel students according to their proclivities; and the advantages as well as the disadvantages of each have been considered in preceding chapters. The system of fellowships, however, though introduced into only a few colleges and into them to a very meager extent, should attract students. The opportunities they offer for advanced study both do and ought to draw the ablest men.

By the application of these principles, especially of the four first named, the student can select his college with a high degree of certainty that his choice will prove satisfactory. As he applies these tests he will find that the quality of the instruction in the eastern colleges is better, as a whole, than in the

western ; and that of the former class the instruction offered by Yale, Harvard, Princeton, Williams, Amherst, Dartmouth and Brown University is of pre-eminent excellence, and that, of the western colleges, the University of Michigan surpasses the vast majority of her sisters in the worth of her teaching. Regarding the amount of the instruction greater certainty may be attained than respecting its quality. Harvard offers more than twice as much instruction as any other college ; but other prominent institutions present amounts very similar to each other for the choice of the student. The moral and religious character of the college he will find exceedingly high at many of the western colleges, particularly of those which were founded and are fostered under direct Christian influences. In the east, the moral and religious tone of Amherst and Williams is recognized as eminently pure. The question of expenses can be decided with a considerable degree of exactness. The cost of a diploma at a small college of the west is the least, and of one at Harvard, Yale, and Columbia the most. But to a poor man of brains Harvard may be the cheapest college, as its scholarship and other funds may pay his entire expenses. But to a poor man without brains Harvard is not, as its president is reported to have said at its commencement dinner in 1878, to be recommended.

The other principles of choice may also be applied with a considerable degree of precision. Touching the reputation of a college it is generally granted that the name of the University of Michigan, and of Oberlin stands as high as that of any college west of the Alleghanies; and that Harvard and Yale occupy a similar position in the east. But the European reputation of the Cambridge college is the most extended. In regard to the attractiveness of natural scenery, it is usually conceded that the Berkshire Hills and the other beautiful scenery of western Massachusetts make Amherst and Williams *facile principes*. Concerning the opportunities presented for general society, for the use of libraries, galleries of art and other means of æsthetic enjoyment, the several colleges in the city of New York, Harvard and Yale present exceptional advantages. Respecting secret societies, it is probable the system plays as important a part in Yale, and as unimportant a one in Oberlin, Princeton and Harvard, as elsewhere. In regard to base ball and boating, Columbia, Cornell, Yale, and Harvard pay as much, if not greater, attention to the sports as other colleges; but for the care bestowed upon regular physical exercise in the gymnasium, Amherst is pre-eminent. In respect to fellowships the inducements presented for the choice of Harvard are the most attractive, as the Johns Hopkins University

bestows its foundations upon other than its own graduates. But those offered by Princeton, Yale, and a few other colleges, are of considerable weight.

These are the general results at which, it is believed, the student, who is choosing his college, will arrive by the application of the several principles here outlined. The consequent arguments for and against his selection of an individual college he must weigh and balance against each other. Whatever his conclusion may be, he can with a high degree of assurance congratulate himself that, on his graduation, he will believe his choice was precisely right, and that his *alma mater* has proved to be the college best fitted to his needs.

## CHAPTER X.

**RANK IN COLLEGE A TEST OF FUTURE DISTINCTION.**

THAT men of high scholarship in college seldom win distinction in professional life is a very prevalent opinion. To be a first scholar is, to many minds, equivalent to passing, after five years of midnight study, into the oblivion of a country parsonage. That "valedictorians are never heard of after leaving college" is the sop which the friends of every dullard are wont to fling to his disappointed ambition on his commencement day. But, however widely this opinion may prevail, an examination of the records of scholarship in our colleges, and an inquiry into the college rank of those who have gained distinction in after life, indicate its groundlessness.

The large majority of graduates who have become distinguished by the work of their life were, in college, scholars of the highest rank. It is seldom that a scholar of low rank has succeeded in attaining great

eminence before the world. Of the graduates of Harvard, during the first half of this century, who have gained renown, at least four-fifths ranked in the first quarter of the class to which each belonged, and two-fifths of this number ranked in the first sixth or the first eighth of the class. Indeed, the first ten scholars in a class of fifty or sixty, the usual size of Harvard's classes in the first half of this century, have usually furnished more men of distinction than the remaining forty or fifty of a class. At Yale, nine-tenths of all the distinguished graduates, between 1819 and 1850, were either first, or among the first scholars of the class to which they belonged. Although the lists of those who received honors previous to 1819 are not sufficiently accurate to allow a conclusion, yet during the thirty-one years for which data has been kindly furnished me by the secretary of the college, a student who ranked low in college has seldom succeeded in attaining a high position in his profession. The twenty-five most distinguished men who graduated at Amherst, between 1822, its first commencement, and 1850 were, with one or two notable exceptions, excellent scholars. Not far from one-half of this number became professors, and the foundation of their success as teachers they laid in the hard work of four years of studentship. Although the statistics of scholarship at Dartmouth are not as full as at

either Harvard, Yale or Amherst, since during nearly forty years of this century positions were determined by lot, yet, so far as can be ascertained, those who compose the long list of her honored roll were scholars of exceedingly high rank. "Nearly all of them," the librarian of the college writes me, "so far as I can learn, gave promise of the future while in college." The statistics of scholarship at Bowdoin, from the graduation of its first class in 1806 to 1850, indicate the same conclusion. The most distinguished of its graduates have been, as a rule, among its most distinguished scholars.

The earliest won honors of those whose tastes are scholarly, and whose lives are occupied with scholarly pursuits, have usually been the college honors of high scholarship. Their college course has, in many instances, proved to be a microcosm of their whole life. Lines of study started in college have ended only with their life ; and their success as students has foreshadowed their success as professors. Ex-President Woolsey, president of Yale College for a quarter of a century, and the whole of whose long life has been celebrated for its scholarly attainments, received the highest honors at Yale in 1820. President Eliot of Harvard was one of the first scholars of his class of 1853, and the scientific eminence to which he has since attained is foreshadowed in the subject of his commencement

oration, "The last Hours of Copernicus." President Porter was the third scholar of the class of 1831 in the college which he has served for more than thirty years, as either professor or president. The president of Amherst was one of the first scholars of its class of 1853; and college tradition still tells of the rivalry that existed between Seelye and a class-mate for the first position in metaphysics. The late President Smith, of Dartmouth, under whose care the ancient New Hampshire college was greatly prospered, was the third scholar of the class of 1830; and President Bartlett, recently inaugurated, was one of the first scholars of the class of 1836. Dr. Barnard, president of Columbia College, whose scientific renown is world-wide, received the second honors at Yale in 1828; and in the second year after his graduation his scholastic attainments were recognized in his election to a tutorship. Dr. James Walker, professor of philosophy at Harvard from 1839 to 1853, and president of the college from 1853 to 1860, was a leading scholar of the class of 1814; and his successor, President Felton, attained high distinction, before his graduation in 1827, for his classical attainments. Ex-President Hill, also, was the second scholar of the class of 1843. Professor Bowen, the head of the philosophical department at Harvard, and a writer of recognized ability upon philosophical

and political topics, was the first scholar of the class of 1833; Professor Lovering, the head of the scientific department, the fourth scholar; and Professor Torrey, the head of the department of history, was also a high scholar in the same class. Professor Benjamin Peirce, of Harvard's most distinguished class of 1829, was as conspicuous for his mathematical attainment among his college associates, as he was among all contemporaneous scholars. The formation of the reputation which Professor Cooke enjoys in the scientific world was laid in his college course, and is foreshadowed in the subject of his commencement dissertation, "The alleged Irreligious Tendency of Scientific Studies." His colleague, Professor Child, the authority in early English on this side the ocean, was the most eminent scholar of the scholarly class of 1846; and Professor Goodwin, who is known by his grammatical works, even more favorably in Germany than in this country, was the salutatorian of Harvard's class of 1850. The mathematical honors which Professor Loomis has constantly received since his graduation at Yale in 1830, he began to win in college, where his rank was third; and his colleague, Professor Dana, occupied the fourth position in the class of 1833. To Dr. Leonard Bacon was assigned the same position in the class of 1820. The honor of attaining the highest rank ever given at Yale College belongs, it is said,

to a member of the class of 1868, who is now a professor in the college. His average was, with 4 as the maximum, 3.71.

At Amherst this honor belongs, for the period under review, to the late Professor H. B. Hackett, whose contributions to sacred literature place him among the most eminent of biblical scholars. His percentage for the whole course was ninety-seven and one-half ; and the class of 1830 honored him with its valedictory. The salutatorian of the class was the present professor of Greek at Amherst, W. S. Tyler; whose rank fell only one-half of one per cent below that of his successful rival. Professor C. A. Young, one of the most distinguished of our astronomers, was the first scholar in Dartmouth's class of 1853. The venerable Professor Stowe was a high scholar at Bowdoin in 1824, as was Professor Samuel Harris in 1833 ; and Professor Ezra Abbott, now of Cambridge, was among the first scholars in Bowdoin's class of 1840, and excelled his college peers in his knowledge of Greek, as he does still all American scholars in his knowledge of the Greek of the New Testament.

These names may serve as representatives of scores of other equally distinguished scholars whose college honors were the foundation of more conspicuous, but not more hardly won, distinction in after life. It is, indeed, difficult to find an eminent

professor in any American college or school who was not in his student days an eminent scholar.

Not only those, however, who have gained distinction in scholastic and pedagogic pursuits, but also those who have attained eminence in literature, have been scholars in college of high rank. The most celebrated of our historians, essayists, poets, have, as a rule, been distinguished in college for excellent scholarship. George Bancroft was a high scholar in Harvard's class of 1817, and was particularly distinguished for his attainments in the Platonic philosophy. His commencement part was an oration with the characteristic subject, "On the Dignity and Utility of the Philosophy of the Human Mind." He was also honored with the class-day poetship of his class, which does not, however, indicate in itself high scholarship. Among the high scholars of the class of 1814 was William Hickling Prescott, who delivered, as his commencement part, a Latin poem, "Ad Spem;" and of the next class of 1815, the historian of New England, Dr. Palfrey, was a distinguished member. The politico-philosophical character of his mind, which is manifested on every page of his incomparable history, is early indicated in the subject of his graduation oration, "On Republican Institutions as Affecting Private Character." Like Mr. Bancroft, Dr. Palfrey was the class-day poet of his class. Though John Lothrop

Motley's college rank was not so high as Dr. Palfrey's, yet its excellence indicated, to a certain degree, his future eminence; and his literary tastes are manifested in the subject of his commencement part, "The Influence of a Multiplication of Books upon Literature." The cultured scholarship of Edward Everett, excellent in every department of college study, gave him the first place in the class of 1811; and his commencement oration, "On Literary Evils," and his oration for the second degree, "On the Restoration of Greece," forecast the literary and classical character of the work of his entire life. Though Ralph Waldo Emerson was by no means among the highest scholars of his class, yet his rank was most honorable. The infinities of the transcendental philosophy, however, were not accommodated to Harvard's narrow curriculum of sixty years ago. His commencement part was a "conference" with two classmates, "On the Character of John Knox, William Penn, and John Wesley." Mr. Emerson was also the class-day poet of his class of 1821. Our great romancer, also did not succeed in obtaining a first-rate rank at Bowdoin, as did his class-mate, Longfellow. Hawthorne wrote, in his college days, Professor Packard, who was one of our instructors, informs me, "Fine Latin and English," but no commencement part was assigned him, "perhaps, because he requested not to have one." Mr.

George Ripley was distinguished at Harvard for his scholarship in the class of 1823, and delivered an oration for his second degree on "The Claims of the Age on the Young Men of America,"—claims which he has for the last fifty years done so much to fulfill. Mr. Longfellow was a high scholar in Bowdoin's most celebrated class of 1825—the class of John S. C. Abbott, George B. Cheever, as well as of Hawthorne; and some of the most graceful of his graceful verses were written before his graduation. That long list of poems, dedicated to Harvard's class of 1829, with which, at their annual meetings, Oliver Wendell Holmes has delighted his class-mates, began on his class, and commencement, day. Doctor Holmes served as poet on both these occasions, and was as well an excellent scholar of the famous class. Though the course of William Cullen Bryant at Williams College was limited to two years, yet in them he gained distinction for his attainments in the languages and in literature. James Russell Lowell, however, though the poet at Harvard in 1838, was not a high scholar, and received no part at commencement. The college curriculum of forty years ago was not the nurse of those qualities which make the commemoration ode immortal, and give his essays in literary criticism a pre-eminence which no other writing of the same character has yet attained in this generation.

Although the college rank of distinguished clergymen has not been, as a whole, as high as that of distinguished scholars and writers, yet, in most cases, it has been conspicuous for its excellence. Phillips Brooks was a high scholar of Harvard's class of 1855, and delivered as his commencement part a very characteristic dissertation on "Rabaut, the Huguenot Preacher." O. B. Frothingham was the salutatorian of the class of 1843 at Harvard, and was especially distinguished in Latin, Greek, and rhetoric. Dr. R. S. Storrs attained high scholarship in the class of 1839 at Amherst ; and its valedictory was delivered by Dr. Huntington, who is now bishop of the diocese of Central New York. Dr. Budington of Brooklyn, received the third honor at Yale in 1834 ; and Dr. Bellows and Dr. Samuel Osgood attained high rank in Harvard's class of 1832. Dr. Osgood was also the orator of the class. As the theological and ministerial methods of Henry Ward Beecher are exceptional to the methods of most clergymen, so his scholarship at Amherst was unlike the high rank to which most students, who are now distinguished ministers, attained. Mr. Beecher is undoubtedly the most distinguished graduate of Amherst College ; but his college rank is the lowest of any one who has become at all celebrated. His percentage for the whole course was fifty-eight. It is evident, however, that

those qualities of mind and heart which have made Mr. Beecher so prominent for a quarter of a century could find little opportunity for either employment or culture in the course of study of a small and new college forty-three years ago. But his brother Edward, distinguished more by his books than by his sermons, received the highest honors at Yale in 1822.

The great lawyers, too, in whom our country has been more rich than in the members of any other profession, have won distinction in college for high scholarship. Rufus Choate, it is said, is one of the three men who, in the course of a hundred years, have graduated at Dartmouth with a perfect mark. The late Benjamin Robbins Curtis stood among the first scholars of Harvard's class of 1829; and in his commencement oration, "The Character of Lord Bacon," his judicial mind was afforded a worthy opportunity for weighing evidence. He was also honored with the oratorship of his class. Richard H. Dana, jr., was one of the high ranking scholars of the class of 1837; as was also Charles Devens, a distinguished member of the Supreme Bench of Massachusetts, of 1838. Mr. Evarts, too, was one of the highest scholars of Yale's class of 1837. Nearly all those, in fact, who have used distinction gained at the bar as a stepping-stone to high political distinction, have been scholars in colleges of excellent standing. The two college-bred

men of the "great American triumvirate" gained very high rank as students. Webster was one of the finest scholars in his class of 1801 at Dartmouth, probably ranking second; and Calhoun of Yale's class of 1804 attained the highest distinction. President Dwight's opinion regarding his ability is indicated in the remark attributed to him, "That young man, has talent enough to be president of the United States." Salmon P. Chase was a high scholar in Dartmouth's class of 1826; as was also Ebenezer Rockwood Hoar of Harvard's class of 1835. His brother, George F. Hoar, attained an honorable rank in that class of distinguished scholars, that of 1846. Caleb Cushing, too, who was distinguished for his scholarship as well as for his diplomatic and juristic attainments, was the salutatorian of Harvard's class of 1814. Among the eminent scholars of the class of 1828 were George S. Hillard and Robert C. Winthrop who forecasting his long career of public service, delivered as his commencement part an oration on "Public Station." Charles Sumner was distinguished in college for his knowledge of history and of literature, ancient and modern, of which he was then, as during his whole life, a diligent student. His commencement part was a "conference" with three class-mates on "The Roman Ceremonies, the System of the Druids, the Religion of the Hindoos, and the Superstition of the

American Indians." The only graduate of Bowdoin who has served as president of the United States is Franklin Pierce. He was one of the leading scholars of its class of 1824. William Pitt Fessenden, likewise, though very young when he received his first degree in 1823, indicated by his scholarship the eminence to which he afterward attained ; and George P. Marsh, a scholar as well as a statesman, was conspicuous for his scholarship at Dartmouth in 1820.

From this examination of the records of scholarship in our colleges, and of the college rank of those who have become distinguished, the conclusion is inevitable that the vast majority of the scholars, the writers, the clergymen, the lawyers, and the statesmen who have gained distinction by the work of their life, have first won distinction in the college recitation and lecture room. This conclusion is substantially identical with that of Macaulay, which he arrived at by a similar examination of the records of scholarship at the university of Cambridge, and of Oxford :

"It seems to me that there never was a fact proved by a larger mass of evidence, or a more unvaried experience than this : that men who distinguish themselves in their youth above their contemporaries almost always keep, to the end of their lives, the start which they have gained. This experience is so vast that I should as soon expect to hear any one question it as to hear it denied that arsenic is poison, or that brandy is in-

toxicating. Take down, in any library, the Cambridge calendar. There you have the list of honors for a hundred years. Look at the list of wranglers and of junior optimes, and I will venture to say, that for one man who has in after life distinguished himself among the junior optimes, you will find twenty among the wranglers. Take the Oxford calendar, and compare the list of first-class men with an equal number of men in the third class. Is not our history full of instances which prove this fact? Look at the Church or the Bar. Look at Parliament from the time that parliamentary government began in this country,—from the days of Montague and St. John to those of Canning and Peel. Look to India. The ablest man who ever governed India was Warren Hastings; and was he not in the first rank a Westminster? The ablest civil servant I ever knew in India was Sir Charles Metcalfe; and was he not of the first standing at Eton? The most eminent member of the aristocracy who ever governed India was Lord Wellesley. What was his Eton reputation? What was his Oxford reputation? \* \* \* The general rule is, beyond all doubt, that the men who were first in the competition of the schools have been first in the competition of the world." (*Life and Letters of Lord Macaulay*, ii., 289, 290, 291).

But if Macaulay had been speaking twenty-five years later he would have added another yet more distinguished name to the list of those whose distinction in school has been the forerunner of distinction in life. William E. Gladstone, after a most brilliant career at Eton, entered Christ's Church, Oxford, and graduated in 1831 with a "double first-class," the highest honor, and one seldom won; but which was

twenty-three years before won by Gladstone's political father, Sir Robert Peel. Indeed, six of the seven members of a recent English Cabinet who sat in the House of Commons, who were educated at the universities, were either "first-class," or "double-first class" men.

It is not difficult to discover the cause of the condition by which those who are first in the struggle for college honors are first in the struggle for the honors of the world. These causes exist in the physical, moral, and mental characteristics of the student, and in the beneficial results which flow from four years of hard mental labor. Good health is essential to the winning of success in both college and the world. The *mens sana* cannot be for a long time energetic and efficient unless placed in *sano corpore*. The successful student, like the successful writer, minister or lawyer, must in the first place be a good animal. Good morals likewise are a *sine qua non* of distinction in college and in after life. For, as renown is usually won only by continued hard work, and as the power to endure this strain of hard work is always weakened, if not destroyed by evil indulgence, few men of evil habits succeed in gaining distinction. The men of the highest intellectual distinction in this country and in England have been, at least in their student-days, men of pure moral character. College students,

therefore, of evil habits are seldom first-rate scholars, and, unless shaking off these habits, seldom win distinction in the work of their lives. Those qualities of mind, moreover, which serve to make great scholars serve also to make great men. The highest rank in college is seldom attained by a man of genius. A man of genius is, and can be, distinguished only usually in one direction ; and, therefore, if in college he is a *facile princeps* in mathematics or philosophy, it is probable he is a dullard in Greek or physics. His place, therefore, on the scale of scholarship is seldom high. To this cause may, perhaps, be attributed the comparatively low college rank of Ralph Waldo Emerson and of Hawthorne. As a rule, the highest scholars of any college class are men of excellent, though not of brilliant, ability. They have "good minds," talent ; but their only claim to genius is the power of studying ten or twelve hours each day. They preach and practice the gospel according to Carlyle—"the gospel of work." But this is the usual type of the mental ability of those who attain the highest distinction in any department of thought or study. The noblest reputations which have ever been gained in this country or in England, in either scholarship, literature, ministry, law, medicine, or statesmanship, have usually sprung rather from earnest and continued study than from natural brilliancy. The identical causes,

therefore, of good health, good morals and a good mind, lead to success in college and in the world.

To the highest scholarship, moreover belong that mental discipline and those stores of acquired knowledge which are the foundation-stones of the temple of distinction. This mental discipline the highest scholar obtains in the greatest degree, and these stores of knowledge he acquires in the fullest measure. His preparation, therefore, for his professional work is superior to that of his class-mate of lower rank, whose mind is neither disciplined by so constant thinking, nor stored with knowledge so extended or profound. The start which he has gained in the beginning of the race, it is probable he will keep to its end. The student, indeed, who fails to receive in college the knowledge and the discipline of the highest scholarship, is usually obliged to supply the consequent deficiency by additional study before he can indulge the rational hope of distinguished success in his profession. The late Jeffries Wyman, our great professor of comparative anatomy, acknowledged this truth in regard to his own mental development. He received no commencement part in his class of 1833 at Harvard. But in the four years intervening between his graduation and taking the degree of M.D. in 1837, an opportunity was allowed for remedying the defects of his college education. Thus he fully prepared himself

to win the highest scientific honors. The conclusion is therefore evident that the causes which tend to make men first in the rivalry of college, tend also to make them first in the struggle for the honors of professional life.

The reason of the prevalent error that first scholars usually fail in winning distinction after their graduation arises from making this induction from a too narrow basis of facts. The lack of that professional eminence which has failed to crown the life-work of certain valedictorians of the highest rank is undoubtedly the principal cause of the error. It must, indeed, be granted that there are a few considerations which indicate that upon the heads of valedictorians should rest the blame of the prevalence of this error. For a high scholar, in order to be first, often yields to the temptation of working for "marks" in a way that is disastrous to the genuine culture of his intellectual power. In the competition of the world, therefore, he may fall behind his rival of the third or fourth rank, whose eye was set upon a higher prize than the rank list. A few valedictorians are, moreover, fond of flattering themselves that, since they have reaped the highest collegiate honors, their life cannot be without noble result even if producing no other fruit. This assurance is liable to result in a mental apathy which renders high attainments impossible.

## CHAPTER XI.

## WEALTH AND ENDOWMENT.

THE State universities, of which there are not less than seventeen in this country, are established and supported by the governments of the Commonwealths in which they are situated. They are an integral part of the educational system of each State. Their buildings are public property, and the main portion of their funds is drawn from the public chest. But the funds and property of other colleges and universities are derived principally from the gift and bequest of individuals.

The history of the financial beginnings of the older colleges is commonplace; the history of one is, in broad outlines, the history of all. It is a history of penury, of endeavors for an endowment, and of constant needs far outrunning the means of supply. That this was the condition of all the older

American colleges, excepting William and Mary, which down to the Revolutionary War was the best endowed of all institutions of learning, is well known ; but it is not so generally recognized that the colleges founded in the present century have, with a few remarkable exceptions, passed through the same struggle for an ample endowment.

Williams College received as its original fund about fourteen thousand dollars, one quarter of which was derived from the proceeds of a lottery, and the principal part of the remainder from the estate of Colonel Ephraim Williams. Bowdoin's endowment consisted mainly of several townships of land lying in Maine, and of gifts of James Bowdoin in both land and money. Amherst at the time of its establishment rejoiced in the possession of fifty thousand dollars, raised by small contributions, and in the generosity of other friends who gave, to a large extent, the materials and the labor which erected its first building. The struggle of Wesleyan University for a foothold was long and hard. Contributions for its endowment were, as President Fisk said, "as meagre as the leakage of a miser's purse." Oberlin began in the purchase of a tract of land three miles square at a dollar and fifty cents an acre by its missionary founders, Shipherd and Stewart. Kenyon was, like Oberlin, hewn out of the wilderness by Bishop Chase,

supported by five thousand guineas from England. The large majority of the better colleges of the West, founded between 1840 and 1880, have been obliged to contend, year after year, against the most common and pressing wants. Their students have been few, and these few as poor in purse as the college. The salaries of their professors have too frequently been the merest pittance. Their funds have run so low that bankruptcy has frequently stared them in the face. They have been aided by donations from the churches of the religious denominations which they represent. Their presidents have besieged the liberal and wealthy men of the East for gifts or bequests. Many of them are now firmly established; but some others, not a few, cannot yet see the dawn of their financial prosperity.

Within the last score of years donations to the colleges have been most numerous and munificent. It is hardly an exaggeration to say, that since 1860 the colleges have received amounts fully equal to their entire valuation in that year. In 1847, when Abbott Lawrence gave fifty thousand dollars to Harvard, it was said to be "the largest amount ever given at one time during the lifetime of the donor to any public institution in this country." Several colleges and universities have within this period been founded with endowments sufficient from their very begin-

ning to make them independent of the whim of legislatures or of the income of tuition fees. Cornell University received by a Congressional land-grant nearly a million acres, besides five hundred thousand dollars from Ezra Cornell, whose name it perpetuates. Vassar also began with a gift of more than four hundred thousand dollars from Matthew Vassar. Smith received before its doors were open about half a million from Sophia Smith. Wellesley was at the outset well endowed by Henry F. Durant. The Johns Hopkins University possessed, before it had enrolled a single student, not less than three millions of dollars. The older colleges have added vastly to their resources within these last two decades. Harvard's property has tripled in value; Yale's in the various departments has increased by not less than a million and a half; Princeton's by more than a million, and Dartmouth's by a large amount. During President Stearns' administration of twenty-two years, Amherst received more than eight hundred thousand dollars.

If, as the Commissioner of Education has stated, over fifty millions of dollars have been given to the educational institutions of the United States, more than thirty millions were given to the colleges in the eighth decade of the present century. The amounts given in each of the years are as follows:

1871.....	\$8,435,990*
1872.....	6,282,461
1873.....	8,238,141
1874.....	1,845,354
1875.....	2,703,650
1876.....	2,743,248
1877.....	1,273,991
1878.....	1,389,633
1879.....	3,878,648
1880.....	2,666,571

These sums were contributed in amounts running from a few dollars to hundreds of thousands, and in a few instances to millions. Among the most munificent of the benefactors, in addition to several already named, are George Peabody, Mrs. Valeria G. Stone, of Malden, Mass.; Ario Pardee, of Hazleton, Pa.; John C. Green, of New York; Henry W. Sage, of Brooklyn; Samuel Williston, of Easthampton, Mass.; Joseph E. Sheffield; Amasa Stone, of Ohio; Nathan Matthews and Nathaniel Thayer, of Boston, and Alexander Agassiz, of Cambridge. The roll might be lengthened to indefinite limits, but these names represent the larger gifts. The gifts of the younger Agassiz in carrying on the Museum which his father founded already exceed three hun-

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\* All Educational Purposes.

## GIFTS TO COLLEGES AND UNIVERSITIES.

	1879.	1880.
Alabama.....	\$600	.....
Arkansas.....	.....	.....
California.....	.....	.....
Colorado.....	8,068	\$87,000
Connecticut.....	150,000	5,000
Delaware.....	.....	478,000
Florida.....	.....	.....
Georgia.....	7,500	3,617
Illinois.....	114,000	67,909
Indiana.....	3,100	31,338
Iowa.....	40,650	64,650
Kansas.....	5,500	10,500
Kentucky.....	.....	18,808
Louisiana.....	25,925	310
Maine.....	19,600	90,250
Maryland.....	11,000	.....
Massachusetts.....	424,984	293,632
Michigan.....	15,578	36,967
Minnesota.....	5,589	39,647
Mississippi.....	500	.....
Missouri.....	19,853	104,820
Nebraska.....	15,000	4,800
New Hampshire.....	.....	70,000
New Jersey.....	165,000	138,500
New York.....	112,732	510,144
North Carolina.....	24,580	14,517
Ohio.....	104,202	141,895
Oregon.....	17,200	8,500
Pennsylvania.....	2,095,350	194,750
Carried forward.....	\$3,387,511	\$2,415,554

# WEALTH AND ENDOWMENT.

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	1879.	1880.
Brought forward .....	\$3,387,511	\$2,415,554
Rhode Island .....	51,000	38,000
South Carolina .....	9,100	2,175
Tennessee .....	141,162	86,350
Texas.....	.....	.....
Vermont.....	185,625	8,150
Virginia.....	15,000	30,854
West Virginia.....	3,000	70
Wisconsin .....	87,200	82,965
District of Columbia .....	.....	2,453
New Mexico .....	.....	.....
Utah.....	.....	.....
Washington.....	50	.....
Total.....	\$3,878,648	\$2,666,571

About one-third of these amounts was given to the colleges in New England, and somewhat more than one-half to the colleges of the seaboard States. In New Hampshire, Massachusetts, Pennsylvania, New York, and Colorado, the largest gifts fell.

Of the usefulness of gifts and bequests made to colleges there is no question. So long as the colleges are designed to promote learning, to ennoble character, and to foster righteousness, so long will the endowment of them prove beneficent. Even if the State should establish, as has been done in several Commonwealths, a university for the training of its youth, and allow them to resort thither with the same freedom as to its other public schools, it is

clear that in other Commonwealths the best colleges are, and for generations will be, those endowed by individual citizens. It is also clear that a college cannot meet its barest expenses from its natural source of income—the tuition fees. Even Harvard, with a fee double or triple that of most colleges, spent in a recent year twenty thousand dollars more than it received from students; and this cost was exclusive of the expense of the library and of the general administration. Endowment is essential to the continued existence of a college.

The important question, in which part of the United States is the need of educational endowments most pressing, is not easily answered. President Magoun, of Iowa College, affirms "that the next fifteen millions of dollars for higher institutions of learning should come West." In 1871, before assuming the presidency of Dartmouth College, Professor Bartlett asserted that there "was a far more vital need elsewhere" than on the Atlantic coast for the fifteen millions of dollars which up to that year had been given to the Atlantic colleges. But President Eliot constantly declares that, in relation to its financial demands, Harvard must be regarded as a poor, and not as she is usually considered a rich, college. At the beginning of the last decade the benefactions to Western colleges amounted to one-

eighth of those to Eastern. Up to the year 1871 the largest individual donation made to a Western college was fifty thousand dollars,—a sum which was given by Mr. Carleton, of Boston, to found the institution in Minnesota which honors his name. One method of determining the place wherein lies the greatest need of additional endowment consists in comparing the amount of the funds which the colleges of a State possess with the population of that State:—

	Population, Census 1880. (Earlier Report.)	Entire Collegiate Endowment.	Proportion of Endowment to Each Person.
Alabama .....	1,262,344	\$807,000	\$ .63
Arkansas.....	802,564	61,000	.07
California.....	864,686	2,298,000	2.64
Colorado.....	194,649	130,000	.66
Connecticut.....	622,683	1,060,000	1.54
Delaware.....	146,654	158,000	1.07
Georgia.....	1,538,983	1,115,000	.72
Illinois.....	3,078,636	4,686,000	1.52
Indiana.....	1,978,358	1,900,000	.96
Iowa.....	1,624,463	1,829,000	1.11
Kansas.....	995,335	457,000	.45
Kentucky.....	1,648,599	1,126,000	.68
Louisiana.....	940,263	448,000	.47
Maine.....	648,945	1,451,000	2.23
Maryland.....	935,139	3,408,000	3.63
Massachusetts.....	1,783,086	6,175,000	3.40
Michigan.....	1,634,096	1,646,000	1.00
Carried forward .....		\$28,745,000	

	Population, Census 1880.	Entire Collegiate Endowment.	Proportion of Endowment to Each Person.
Brought forward .....		\$28,745,000	
Minnesota.....	780,807	804,000	\$1.02
Mississippi.....	1,131,899	491,000	.43
Missouri.....	2,169,091	1,888,000	.87
Nebraska.....	452,432	241,000	.53
Nevada.....	62,265	.....	....
New Hampshire.....	347,784	550,000	1.58
New Jersey.....	1,130,892	2,393,000	2.11
New York.....	5,083,173	14,794,000	2.91
North Carolina.....	1,400,000	646,000	.45
Ohio.....	3,197,794	4,687,000	1.46
Oregon.....	174,767	463,000	2.59
Pennsylvania.....	4,282,738	8,940,650	2.08
Rhode Island.....	276,528	600,000	2.16
South Carolina.....	995,706	722,000	.72
Tennessee.....	1,542,463	2,422,000	1.57
Texas.....	1,597,509	444,000	.27
Vermont.....	332,286	686,000	2.06
Virginia.....	1,512,203	1,950,000	1.28
West Virginia.....	618,193	602,000	.97
Wisconsin.....	1,315,386	1,650,000	1.25
District of Columbia.....	177,638	1,010,000	5.68
Utah.....	143,907	.....	....
Washington.....	75,120	105,000	1.39
Total.....		\$74,943,000	\$1.49

These comparisons contain very interesting data. They show that the largest amount invested in colleges, in relation to the number of inhabitants, is

found in the District of Columbia ; that of any State the largest is found in Maryland, and the next to the largest in Massachusetts. Having less than three dollars and more than two for each inhabitant are, in their order, New York, California, Oregon, Maine, Rhode Island, New Jersey, Pennsylvania, and Vermont ; having less than two and more than one, are New Hampshire, Tennessee, Connecticut, Illinois, Ohio, Washington, Virginia, Wisconsin, Iowa, Delaware, Minnesota, and Michigan ; and having less than one, are West Virginia, Indiana, Missouri, Georgia, South Carolina, Kentucky, Colorado, Alabama, Nebraska, Louisiana, Kansas, North Carolina, Mississippi, Texas, and Arkansas. A large proportion of the Western States have less than two and more than one dollar an inhabitant ; and a yet larger proportion of the Southern States have less than one.

By comparing yet further the population of these States with the endowments of their colleges, some remarkable contrasts are made evident. New Jersey and Mississippi have the same population, yet the colleges of the former have fourfold the endowment of the Southern State. Virginia and Texas have nearly the same population, yet the State in which Jefferson founded a university has nearly five times the college property which Texas has. The population of New York exceeds that of North Carolina nearly

four times, but its college endowments exceed those of North Carolina more than twenty times. Maryland, Louisiana, and Kansas have each a population between nine hundred thousand and a million, yet Maryland's college property is eight times in excess of that of either of the other two States. California has a population slightly larger than that of Arkansas, yet the endowments of its colleges are thirty-seven times larger. The ten New England and Middle States possess twenty-eight per cent. of the entire population, and forty-seven per cent. of the college property. The Western States have thirty-two per cent. of the population, and twenty-eight per cent. of the college property. The Southern States have thirty-six per cent. of the population, and twenty-one per cent. of the college property. Assuming, therefore, population as a basis, the greatest demand for additional endowments is in the South.

The wealth and endowment of the English universities shed light upon the financial standing of the American colleges.

Previous to the appointment of the English Universities Commission, ten years ago, the amount of the property and of the income of Oxford and of Cambridge was unknown to the public. Founded as early as the fifteenth, the fourteenth, and even the thirteenth century, the colleges were jealous of any

interference in rights and privileges which time had rendered sacred. Endowed with property that was certainly large, they managed their lands and securities and expended their income, responsible only to themselves. The Royal Commission, appointed on the 5th of January, 1872, and whose report was published in 1874, revealed for the first time in their long history the financial standing of the universities and of the associated colleges. It is worthy of mention, in passing, that this report has in England received much less attention than its authors had a right to expect, and in this country it has been scarcely noticed, even by those interested in university questions.

But even with the tables of this report, voluminous and exact as they indeed are, it is impossible to form a thoroughly satisfactory estimate of the value of the university and college property. The property is of various kinds, being classified by the commissioners under six heads—"lands," "house property," "tithe rent charges," "other rent charges, such as fee farm rents and fixed charges," "stocks, shares, and other securities of a similar kind," and "other properties, such as fines and other profits from copyholds of inheritance, minerals, timber, etc." Its money value it is, therefore, difficult to fix. The quantity of land, however, held by the universities and colleges is known with exactness. It comprises

319,718 acres, exclusive of "copyholds of inheritance." Of this amount 7,683 acres belong to the University of Oxford, and 184,764 acres to its colleges and halls; 2,445 acres to the University of Cambridge, and 124,826 acres to its colleges. With the exception of a small quantity of woodland, the entire amount is leased. It is distributed throughout England and Wales, but the larger proportion is found in the southern counties. To Oxford University it yields an annual income of about £12,000; to its colleges and halls, £171,000; to Cambridge University, £3,100, and to its colleges, £132,000.

The worth of the property, however, of the institutions can be more exactly judged by their incomes than by any approximation of its mere amount. During the last year for which the data can be obtained, the income from lands and other properties was as follows:—

	University of Oxford.	University of Cambridge.	Colleges and Halls of Ox- ford.	Colleges of Cambridge.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Lands.....	12,083 0 4	3,148 19 8	170,990 11 7½	132,670 0 6	318,893 12 1½
Houses.....	1,162 14 8	156 10 0	26,833 6 3	25,993 8 2	54,145 18 7
Tithe rent charges.....	490 19 7	1,784 14 5	34,152 15 8	54,286 1 1	90,714 10 9
Other rent charges.....	872 6 9	333 16 6	4,092 14 10	3,943 2 2	9,242 0 3
Stocks, shares, etc.....	12,939 6 9	7,648 9 0	24,242 7 10½	16,508 7 5	61,338 11 0½
Other properties.....	1,494 16 2	844 19 2	13,574 14 3	20,365 8 8½	36,279 18 3½
Special endowment .....	.....	.....	6,289 0 6	1,764 9 10	8,053 10 4
Loans.....	.....	.....	27,194 6 2	.....	27,194 6 2
Total.....	29,043 3 9	13,617 8 9	307,369 17 2	264,256 17 10½	614,597 7 6½

The universities and colleges have a second source of income. It embraces the various fees paid by students. The tuition fees at Oxford are £21 a year, and at Cambridge £18. With them, the charges for the rent of rooms and other small payments constitute the entire internal income. The following tables exhibit the total amount of both the internal and the external income; under the external income is included that derived from lands, securities and other property:—

	External Income.	Internal Income.	Total corpo- rate (external and internal) income.	Income from Trust Funds.	Tuition fees paid by Under- graduates.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
University of Oxford .....	13,605 4 6	18,545 16 6	32,151 1 0	15,437 19 3	.....
Colleges and Halls of Oxford .....	271,952 17 0	58,883 19 1	330,836 16 1	35,417 0 8	30,761 3 4
Total .....	285,558 1 6	77,429 15 7	362,987 17 1	50,854 19 5	30,761 3 4
University of Cambridge	3,509 10 11	20,133 8 6	23,642 19 5	10,407 17 10	.....
Colleges of Cambridge..	229,621 0 2½	42,254 13 6	278,970 13 8½	27,540 17 8	26,413 15 0
Total .....	233,130 11 1½	62,388 2 0	302,613 13 1½	37,948 15 6	26,413 15 0

We now turn to consider the property and the income of American colleges. According to the last report of the United States Commissioner of Education, the value of the grounds, buildings and apparatus of three hundred and sixty-four colleges is \$39,623,424, and the amount of productive funds

\$43,431,520. The income of these funds is \$3,014,048, and the annual income derived from tuition fees \$1,881,360. The total income drawn from these two sources approaches \$5,000,000. The income of the universities and colleges of Oxford and of Cambridge aggregates \$3,500,000. But while about two-fifths of the income of the American institutions are drawn from tuition fees, the English institutions depend upon the same source for only about one-tenth of their income. Thus the property held by these universities and their thirty-six allied colleges furnishes a much larger proportion of their income than the lands and funds of American colleges provide for their support. The comparison, however, of the income of several of the *wealthier* American colleges with the income of the colleges of Oxford and of Cambridge indicates that the American institutions possess the larger revenue. The University of California has an income of about \$100,000 from invested funds; its income from tuition fees is quite nothing. University College, Oxford, has an income from external sources of \$45,000, and of nearly \$10,000 from tuition fees. Yale College receives about \$80,000 a year from productive funds, and \$100,000 from tuition fees; but the five colleges of Balliol, Lincoln, Trinity, Pembroke, and Worcester have a total income not exceeding \$200,000. Columbia College is reported


as possessing an income of \$313,565, which exceeds by a few thousand the revenue of the wealthiest college—Christ Church. Eight colleges of Cambridge possess an annual income of about \$600,000, a sum that is only \$50,000 larger than the combined incomes of Columbia and of Harvard. The receipts in all the departments of Harvard University for the year 1879–80 were \$600,000, and in the college \$236,000. The former amount is double that received by any Oxford or Cambridge college. Yet, though the income of the richer American colleges is larger than the revenue of the English, many colleges on these shores are much poorer than the poorest of the English. Scores of institutions which afford students a respectable education, and whose graduates are numbered by hundreds, receive an income of less than \$10,000 each year. They are to be found in nearly every State of the Union.

The expenditures of the institutions of the two countries show as striking a difference in respect to amount and character as their incomes exhibit. In the English, about one-third of the total revenue is consumed by the salaries of the Fellows, about one-tenth by the salaries of the heads of the colleges, and still another tenth by payments made to the "scholars and exhibitioners." The remainder, one-half of the entire amount, is devoted to no less than eighteen

different purposes. A portion forms an allowance to residents, a portion is credited to the salaries of the university professors, a portion is allotted to the chapel, a portion goes to the library, and a portion is used in paying rates and taxes.

In American colleges more than one-half the income is spent in the salaries of professors and instructors. Few colleges make public reports of their financial standing, and it is therefore difficult to obtain the facts in reference to expenditures. The treasurer of Harvard, however, makes a full annual exhibit of his accounts. The total expenditures of Harvard College were, in 1879-80, \$212,542.22, of which somewhat more than one-half—\$133,991.87—was devoted to the salaries of instructors; \$24,025.27 was used in the payment of scholarships to undergraduates whose scholastic rank and pecuniary need entitled them to receive aid; the remaining \$54,000—about one-fourth of the entire expenditure—was employed in uses quite as various as those to which one-half of the revenue of the English universities is devoted. Repairs on the college buildings, apparatus for laboratories, services of janitors, fuel, printing, and other objects equally diverse, consumed the balance.

The expenses for instruction are, relative to the entire expenditure, much greater in the American



college. This is due to the private nature of a large proportion of the instruction in the English universities. The salaries of Oxford and of Cambridge professors vary as largely as the salaries of the professors in a hundred American colleges. The highest salary paid at either of the universities is that attached to the Lady Margaret Professorship of Divinity at Cambridge. Its amount is £1,854 17s. 10d. The lowest salary appears to be that belonging to the Lord Almoner's Professorship of Arabic, which is £40 10s. At Oxford are only five professorships commanding more than £1,000, and at Cambridge only two. The fifty-one professors, readers and searchers of Oxford receive on an average an annual salary of £488, and the thirty-seven of Cambridge £457.

Although in the American college instructors of the same grade usually receive the same salary, in the different colleges salaries differ to nearly the extent found in the English universities. A full professor in Columbia College receives \$7,500, in Harvard \$4,500, and in most colleges, as Dartmouth, Amherst, Williams, Bowdoin, amounts varying from \$1,700 to \$2,500. There are many colleges in the Western States whose professors are obliged to be content with a pittance of \$1,000 a year.

The cost of the education of each student is much greater at the English universities. Deducting from

the entire annual expenditure of Oxford the amount paid the Fellows, the balance of about £250,000 is either directly or indirectly devoted to the education of about eighteen hundred students. The annual expenditure for each undergraduate is, therefore, about \$700. At Cambridge the expenditure is about \$100 less. Of the American colleges few, if any spend a larger amount than Harvard. The annual cost to it of each student does not exceed \$300, and probably falls somewhat below. It is to be remembered, however, that the number of students in the college department of Harvard is about equal to one-half of those in the entire university of either Oxford or Cambridge, and it is well known that the greater the number of students the less is the relative cost of instruction of each.

By this review of the comparative financial showing of the two great English universities and of American colleges, it is made evident that the richer American institutions enjoy a larger income and make larger expenditures than the ordinary college of either Oxford or Cambridge. When one considers that the oldest college on these shores has not attained one-half the age of several of the English institutions, this comparative position becomes most creditable to the generosity and to the intelligence of the American people.

It is also made clear that the newer institutions possess a great advantage in the freedom from the necessity of maintaining an elaborate establishment. College officers and servants, subscriptions and pensions, the management of estates and the augmentation of benefices, consume a no small share of the income of the English universities. The Fellowship system demands one-third of their revenue. In America the larger proportion of all the income is devoted directly to the payment of services of instruction.

## CHAPTER XII.

## A NATIONAL UNIVERSITY.

THE project of a National University is not new. Its establishment has been recommended by several of the Presidents of the United States, and urged by able statesmen. It lay, in common with the whole cause of public education, near the heart of Washington. In letters addressed to Adams and to Hamilton the first President argued for its foundation. In his eighth annual message he proposed to the consideration of Congress the expediency of establishing a National University and a Military Academy. So important did he regard the subject that in his last will he treats it at considerable length. "It has always been a source of serious regret with me," he writes, "to see the youth of these United States sent to foreign countries for the purpose of education, often before their minds were formed, or they

had imbibed any adequate ideas of the happiness of their own ; contracting too frequently not only habits of dissipation and extravagance, but principles unfriendly to republican government, and to the true and genuine liberties of mankind." For the removal of these evils, and for spreading "systematic ideas through all parts of this rising empire," and for doing away with "local attachments and State prejudices," he sees no plan more feasible than the "establishment of a university in the central part of the United States." And in behalf of its establishment Washington went so far as to bequeath fifty shares of the stock of the Potomac Company. The Government, however, failed to foster the project, and it was not, therefore, realized.

Jefferson also (the founder of the University of Virginia) recommended to Congress, in his sixth annual message, the establishment of a National University. Its endowment might be carved, he pointed out, from donations of the public lands, or from funds of the National Treasury, but not, in the latter case, however, without an amendment to the Constitution. He argues that "a public institution can alone supply those sciences which, though rarely called for, are yet necessary to complete the circle, all the parts of which contribute to the improvement of the country, and some of them to its preservation."

Madison and John Adams likewise strongly urged the foundation of the university. The advantages of the scheme Madison enumerates at considerable length: "By enlightening the opinions, by expanding the patriotism, and by assimilating the principles, the sentiments, and the manners of those who resort to this temple of science, sectional sources of jealousy and prejudice would be diminished, the features of national character would be multiplied, and greater extent given to national harmony." Advantages, it must be confessed, which are rather vague, and which Congress, under neither Madison nor Adams, attempted to realize.

Not only, however, have these and other Presidents presented the claims of an American University, but many educators and associations of educators have also urged its foundation. A committee of the National Teachers' Association presented in 1870 a report that was both an argument and an appeal for the establishment of a National University. From time to time, both in political and in educational documents, it is asserted that the great need of American education is a university situated in a central part of the country, and supported by the Government.

Opposition to the foundation of such an institution is not, in my opinion, to be based upon a want

of constitutional authority. That the Constitution confers upon Congress the right to provide for education is at the present time the opinion of the large majority of statesmen and jurists. If education is not embraced in the "general welfare of the United States"\* it is difficult to know what that clause does include. From other sources than the Constitution, however, objections to the scheme may be drawn which deserve serious attention.

The general argument by which the proposition for the establishment of a National University has been supported for the space of nearly a hundred years, and by statesmen of the most diverse degrees of culture, may be embraced in the remark that it is the duty of the American Government to provide for the education of its citizens. It is thought to be opposed to the spirit of republican institutions to refuse any educational advantage, however great be its cost or limited its application. As it is confessedly the duty of the Government to provide for the training of its citizens in the elementary branches of knowledge, it is inferred that it is likewise its duty to train them in those higher branches which constitute what is commonly termed a liberal education.

The fallacy in this argument is easy of detection.

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\* Constitution, Article I., Section 8.

It is undoubtedly the duty of the Government to provide for elementary education. Its existence is to a great degree conditioned by the intelligence with which its citizens administer its concerns. The United States is founded on a book—that book is a text-book, and that text-book is a common-school text-book. But does the permanency of the Government hinge upon either the college, the university or the professional school? Has its existence been imperiled by the lack of a National University? Would its continuance be more assured by the foundation of such an establishment?

But, it may be urged, though the mere existence of the Government is not dependent upon the educational institutions of advanced standing, as it is dependent upon the common school, yet its prosperity would be enhanced by the equipment of a National University. Were there no other institution of as high a grade, the foundation of a National University would, without doubt, prove to be of untold worth. But already those interests which would be fostered by a National University are abundantly conserved by scores of universities and colleges. It is notorious that the United States has more colleges than the needs of the higher education warrant; and it is equally true that several of them provide as thorough and as extended a training as a national institution

could offer. The education which many of these colleges afford is, further, as free as the United States could hope to give. Harvard University distributes about \$40,000 a year in various forms among needy students. It turns no worthy student away for lack of funds. Many other colleges possess endowments for the single purpose of giving an education to those who are unable to pay for it. In no less than seventeen States the State University is open to every resident. A National University could hardly hope to make education either more free or more valuable than it now is.

Perhaps the strongest objection to the proposed scheme is found in the necessarily temporary character of its methods and management. It could not be assured of permanency; and of permanency all educational institutions especially need to be assured. A National University would be either directly or indirectly under the control of Congress. If it was endowed at its foundation by the gift of several millions of dollars it would, to a large degree, be freed from the interference of the Government in respect to the important element of income. But if not so endowed, it would be compelled to be an annual suppliant for an appropriation to discharge its annual expenses. Its professors, too, could not but feel that the tenure of their offices was not

secure. Under the control of a legislative body, not one-half of whose members are liberally educated, the holders of professorships would be convinced that eminent success, neither in original researches nor in instruction, would prevent the demand for their resignation. That department in which the interests of the Government in education is at present most manifest, the Bureau of Education, has suffered disastrous changes, the like of which a National University would hardly be able to escape. Established as an independent department, it was afterward reduced to a branch of the Interior Department. The salary of the Commissioner, fixed at \$4,000, was soon cut down to \$3,000. The compensation of his assistants suffered a corresponding reduction. A Government which permits so important a department to be impeded year after year for a lack of means—a Government which allows its national library to be of little use in consequence of the mere accumulation of its riches—could hardly be asked to provide fully and punctually for the needs of a National University.

There is, further, reason to fear that the foundation of a National University would, instead of increasing, as is claimed, diminish public interest in the higher education. In the older States, at least, this cause is committed directly to the people. They

have, therefore, felt, and continue to feel, an interest in it, from which have sprung Yale, Harvard, and other colleges of a high standing. It is to this public regard that we owe the munificent foundations of Johns Hopkins, of George Peabody, of John C. Green, and of Ezra Cornell. But once let the Government assume in part the charge of university education and the regard of the people for it will diminish. The rich will not make gifts or devise bequests to an institution which the Government is obliged to support.

Many objections to this movement are to be discovered in the nature and functions of government. To one or two I advert.

The establishment and organization of a National University would increase the powers of the Government. That this is the fact is clear. That this increase of powers is an evil is clear to one who observes the present tendencies of our Government. These tendencies are all in the line of the augmentation of the rights and duties of the Government. This augmentation is not only a result of a high degree of civilization, but it is also an effect of the continued existence of democratic institutions. The danger of our nation is not in being governed too little, but in being governed too much. Any movement, therefore, which would result in an increase

in the power of the Government should be viewed with concern. As Mr. Mill has finely said: "There never was more necessity for surrounding individual independence of thought, speech and conduct with the most powerful defences, in order to maintain that originality of mind and individuality of character, which are the only source of any real progress, and of most of the qualities which make the human race much superior to any herd of animals. Hence it is no less important in a democratic than in any other government, that all tendency on the part of public authorities to stretch their interference, and assume a power of any sort which can easily be dispensed with, should be regarded with unremitting jealousy."\* If it cannot be affirmed that the establishment of a National University is such an "interference," it is at least certain that its organization would constantly invite "public authorities to stretch their interference," and would render such interference probable.

With an increase of the power of Government, the establishment of a National University would necessitate also an increase of the responsibilities and duties of Government. If Congress could completely surrender the superintendency of the university to a board, the evil of the additional burden would not

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\* Political Economy, Book V., Chap. xi., § 3.

be worth considering. But any surrender could not be complete. Congress would be constantly asked to examine questions relating to either its finances or its instruction. With all the topics which our legislative body is at present obliged to consider, there is no doubt that the question of the establishment and organization of a National University would not receive that attention which its grave importance demands. The principle of the division of labor is not applied by the legislative houses of either the State or the nation with that exactness which results in the performance of the largest amount of the most valuable work. Until those who are specially interested in the higher education can be assured that the Government is both willing and prepared to assume the responsibility of the care of a great National University, they must hesitate to lay an additional duty upon Congress, which is already overburdened.

In respect to the intervention of the Government in affairs which the people themselves can perform, the rule of *laissez-faire* should be followed. The people know better than the Government what they want, and also know better how to supply their wants. As the keen observer from whom I have already quoted says: "The inferiority of government agency in any of the common operations of industry

or commerce, is proved by the fact that it is hardly ever able to maintain itself in equal competition with individual agency, where the individuals possess the requisite degree of industrial enterprise, and can command the necessary assemblage of means. All the facilities which a government enjoys of access to information; all the means which it possesses of remunerating, and therefore of commanding, the best available talent in the market, are not an equivalent for the one great disadvantage of an inferior interest in the result." \* The lack of interest on the part of the Government in education is even more marked. The history of the relation of the American Government to schools and colleges does not warrant the assumption that it would show that zeal for the prosperity of a National University which the alumni of scores of colleges are displaying for their respective alma maters. In the higher education our Government, as at present constituted, cannot feel a deep and permanent interest. It should be intrusted, as it is now intrusted, to the people.

The best universities in the world, the German, possess only a slight connection with the Government. Deficits in their annual accounts are met by appropriations from the State Treasury. But the

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\* *Ibid.*, § 5.

relation, in other respects than the pecuniary, has at times been of injury to the universities. The Government has not infrequently attempted to coerce them. The Prussian Government has often stood in direct conflict with the University of Berlin. The university, however, has always won in the contest. But this, the largest, as well as each of the twenty universities, has gained its power and influence rather without than with the help of the Government. Governmental interference, whether successful or not successful, cannot but result in confusing the regular work of a university. It remains only to add that the relation of the Government of Germany to its universities furnishes, therefore, no argument for the establishment of a National University in the United States.

## CHAPTER XIII.

## WOMAN'S EDUCATION.

THAT women should receive an education, that women should receive as broad and thorough an education as is possible, are propositions that no longer require discussion. The questions which, in the present state of public opinion, demand consideration relate to the peculiar kind of intellectual training which women should receive and to the conditions under which this training should be given.

It is not proposed in this chapter to discuss either the general theory of women's education or to present a summary of the facts regarding the applications of any theory. The purpose is to offer certain considerations, derived chiefly from experience, relative to the education of young women, that tend to prove the wisdom of that method usually known

as co-education. And yet it is to be premised that co-education is not an end sought for its own sake. The ultimate aim is to give young women advantages for intellectual culture as liberal as are afforded to young men. Since the large proportion of the institutions which are most fully equipped for furnishing these advantages are now monopolized by the students of one sex, and since it is not possible to establish institutions as fully equipped for the use of young women alone, it is urged that they should be received into institutions already existing. Co-education is simply the stairway leading to the opportunity for the noblest and highest culture. It should, therefore, be open to those who wish to use it.

It is still further to be premised that the colleges for women of recent establishment, as Vassar, Smith, Wellesley, afford excellent opportunities for intellectual training. The courses of instruction which they provide are many and diverse. Their professors are learned, able, and not a few are also distinguished for scholarship and original research. But the fact that they are so thoroughly equipped for their work furnishes no conclusive argument against opening other institutions, even more thoroughly equipped, to women as well as to men.

The subject of co-education has now gathered about itself a large amount of what may be termed experience. The reasons for and against this system of training are no longer *a priori* only. The nearly fifty years in which this system has been practiced to a greater or less extent have resulted in an accumulation of facts that are of great value in determining the expediency of this method of intellectual discipline. Regarding the worth of this system educators hold theories the most diverse. These theories are, of course, of use, in cases of the most abundant use; but they are of comparatively small use in respect to those points of inquiry in which actual experience has proved either their narrowness or their superficiality. The system of co-education was introduced into the University of Michigan after a period of thirty years, in which this justly famous institution had devoted itself to the training of young men exclusively. Before reaching the decision of opening its doors to young women it sought advice from the most distinguished educators. Several of the opinions thus evoked were of those who had made no trial of co-education, and these opinions were, with scarcely an exception, antagonistic to the movement. Some said it would be "demoralizing"; some feared it would result in a "corruption of manners and morals";

some argued that "the delicacy of female character would be destroyed"; some apprehended serious weakening of the health of female students. But the doors were opened; the experiment was tried. For more than a decade the system has been pursued, and none of those evils that were prophesied has accrued as the result of co-education.

A reason for co-education that might be urged in advance of any trial of the system, and yet one which practice has proved to be valid, is its economy of means and forces. Most colleges could double or treble the number of their students without a proportional increase in the number of their professors. A professor can lecture to a hundred as well as to fifty students. Libraries and laboratories, once established, can be used by a larger number without a correspondingly larger expense. It is this fact of economy to which President Eliot refers when, in expressing his opinion that young men and women from fifteen to twenty years of age are not "best educated in intimate association," he yet acknowledges that this "method may nevertheless be justifiable in a community which cannot afford anything better."

Not seldom it is asserted that colleges educate their students away from and above the life which

the majority will be obliged to follow. Without assuming the truth of the remark, it is yet clear that there is less peril of this result under the method of co-education. For students are thus kept citizens of a collegiate world which is more similar to the active world in which, after graduation, they will live. The testimony of President Fairchild, of Oberlin College, upon this point, as upon all points regarding co-education, is of great worth. He writes:

“It can hardly be doubted that young people educated under such conditions are kept in harmony with society at large, and are prepared to appreciate the responsibilities of life, and to enter upon its work. They will not lack sympathy with the popular feeling, or an apprehension of the common interests. They are naturally educated in relation with the work of life, and will not require a readjustment. This seems a matter of grave importance, and we can scarcely be mistaken as to the happy results attained. If we are not utterly deceived by our position, our students naturally and readily find their work in the world, because they have been trained in sympathy with the world.” \*

The question of the health of women who pursue

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\* Orton's *Liberal Education of Women*, p. 245.

a course of study on the same terms as men, is of extreme importance. The argument of Dr. Edward H. Clarke, in his "*Sex in Education ; or, A Fair Chance for the Girls,*" would tend to show the inexpediency of subjecting women to that method of intellectual training which men pursue. But testimonies collected from many institutions in which the method has had a long and fair trial, form the strongest evidence for a contrary conclusion.

In 1882, the President of Oberlin College writes as follows:

"Our impression has been, from a general observation of the facts, that our young women endure the strain of a course of study as well as the young men; *i.e.*, where they have had the same or equal preparation. In the case of young women who come into the advanced literary and philosophical studies of the course, without the full discipline of previous classical study, there are indications of nervous anxiety at times, which is undesirable and unwholesome. Hitherto, our arrangement of courses has brought young women into these advanced classes under this disadvantage. They have held their place in scholarship, but not always in health. My personal opinion is that the apprehension of failure in the class-room takes a stronger hold upon young

women than young men. The young women are in general very sensitive about falling behind." \*

President Warren, of Boston University, says: "As regards instances of the physical condition of graduates during their college course, I have known many more to improve than I have to deteriorate; and in reply to your question whether there is a marked difference noted in the effect of study upon the minds and bodies of female students, I reply, there is no difference." †

President Angell, of Michigan University, bears the following explicit and comprehensive testimony: "Women have been here since 1870, and have done every kind of work successfully and without injury to character or health." ‡

Professor Lee, of St. Lawrence University, New York, writes in 1882 :

"Our college has been in operation for seventeen years. The proportion of male and female students has been about as two to one, that is, one-third ladies.

"Their mental and physical condition when they entered was about the same as other young ladies of the same age and social position, though probably in most cases a little better. Their health had gen-

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\* *Education*, Vol. III., No. 5, p. 506.

† *Ibid.*, p. 507.      ‡ *Ibid.*, p. 509.

erally been good, and their mental training not very systematic or extensive. On entering college they are put down to hard and systematic work, and kept so all through the four years' course.

"Their health has generally improved during their college course. There have been exceptions, but these have been few. Systematic study has tended to improve their health. We have had but one death among the lady students while they were connected with the college, and very little sickness. At the close of their college course they have appeared healthy and robust, and have entered upon their work of teaching or other occupations requiring mental exertion, with every prospect of holding out well; also, as to scholarship and in the higher branches—as Latin, Greek, political economy, the calculus, mental and moral philosophy—have ranked as high as the gentlemen, and in some cases higher.

"I cannot say that there is any great difference in the effect of study and exercise upon the male and female students. Neither seem to be injured at all by continuous study. Both are made stronger in body and mind. I may also add that the mental occupations upon which our graduates enter after leaving our college tend to increase the strength and activity of body and mind of the lady students." \*

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\* *Ibid.*, p. 508.

President Bascom, of the University of Wisconsin, after making a thorough study of this question, thus writes in a recent report :

"Though my conviction has been, previous to this report, that the health of the young women, as a whole, was *better* than that of the young men, and that there were striking instances of graduation with robust strength, I am striving to test this opinion by facts, so far with the following results. All excuses for ill-health are given by me. The exact number of students in our collegiate and dependent courses is 357. Of this number 93 are young women—a trifle more than one-quarter. During the past eight weeks, the most trying weeks in the year for students, there have been 155 days of absence from ill-health on the part of young men, and 18 on the part of young women. The young women should have lost, according to their numbers, 54 days, or three times as many as they have actually lost. The students were not aware that any such registration was being made. It may be felt that the young men are less conscientious in pleading ill-health than the young women, and this is doubtless true; but I sharply question a young man, and rarely ask any questions of a young woman. I explain the facts in this way. The young men are not accustomed to confinement, and though sun-browned and appar-

ently robust, they do not endure the violent transition as well as women. Study is more congenial to the habits of young women, and the visiting committee are certainly mistaken in supposing that they have to work harder in accomplishing their tasks. *The reverse is true.* In addition to the above bill of ill-health against the young men, a corresponding large number of them have been compelled, from the same cause, to leave the University altogether.

"A second showing of the registration, which I had not contemplated, but one very interesting, is this: the absences of the young women are almost exclusively in the lower classes. Of the eighteen, two are in the Sub-Freshman, fourteen in the Freshman, one in the Sophomore, one in the Junior, and none in the Senior. The absences of the young men are evenly distributed, on the other hand, through the entire course. The young women do not, then, seem to deteriorate with us in health, but *quite the opposite*. I do not belong to the number of those who set lightly by health—I would not sacrifice any measure of it for scholarship; but it has long seemed to me plain that a young woman who withdraws herself from society and gives herself judiciously to a college course, is far *better* circumstanced in reference to health than the great majority of her sex." \*

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\* Ibid., quoted, pp. 509, 10.

These testimonies might be multiplied, but sufficient have been adduced to prove that women entering college as well fitted as men, pursuing studies under conditions as favorable to the preservation of health as those under which men are placed, graduate with constitutions as vigorous as those of the men. Indeed, the evidence indicates that the physical vigor of women constantly increases throughout the college course.

The scholarship of the women, moreover, is excellent. They maintain at least as high a rank as their brother students. The fear that their admission would lower the scholastic standards has proved to be utterly without foundation. In the public schools it is generally acknowledged that girls are better scholars than boys. The same relative standing continues in the college. It is, however, to be said that the natural ability of the young women is probably higher than that of the young men, for only the women of superior intellectual natures seek a collegiate training, and young men of all grades of ability go or are driven to college. In reference to this question of scholarship, President White, of Cornell University, wrote at a time when, under the proposal of opening this university to women, he was studying the system of co-education in other colleges :

"If it be said that the presence of women will tend to lower the standard of scholarship, or at all events to keep the Faculty from steadily raising it, it may be answered at once, that all the facts observed are in opposition to this view. The letters received by the Committee, and their own recent observations in class-rooms, show beyond a doubt that the young women are at least equals of the young men in collegiate studies. As already stated, the best Greek scholar among the thirteen hundred students of the University of Michigan, a few years since; the best mathematical scholar in one of the largest classes of that institution to-day, and several among the highest in natural science, and in the general courses of study, are young women.

"It has been argued that the want of accuracy and point, the 'sloppiness' of much of the scholarship in some of the newer colleges, is due to the admission of women. The facts observed by the Committee seem to prove that this argument is based on the mistake of concomitancy for cause. If 'sloppiness' and want of point are inadmissible anywhere, it is in translation from the more vigorous and concise ancient and modern authors. Now, the most concise and vigorous rendering from the most concise and vigorous of all—Tacitus himself—was given by a young lady at Oberlin College. Nor did

the Committee notice any better work in the most difficult of the great modern languages than that of some young women at Antioch College." \*

The long and varied experience of the President of Oberlin College is in the line of President White's observation. Dr. Fairchild remarks :

"We find no difference in ability to maintain themselves [women students] in the recitation-room. Under the circumstances, I shall be excused for referring to my own individual experience, which has been somewhat varied. The first eight years of my work as a teacher was in the department of the Ancient Languages—Latin, Greek, and Hebrew ; the next eleven in mathematics, abstract and applied ; the last eight, in Philosophical and Ethical studies. In all these studies my classes have included young women as well as young men, and I have never observed any difference between them in performance in the recitation. The strong and the weak scholars are equally distributed between the sexes.

"In this statement I do not imply that I see no difference between the normal male and female mind as to taste for particular studies. I have no doubt of the existence of such differences ; but they do not appear in the ability as pupils to comprehend and

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\* Orton's *Liberal Education of Women*, p. 223.

express the truth. A few days since, on a visit to the University of Michigan, I attended a recitation in Thucydides. So far as could be judged from a single exercise, in which there were many excellent performances, the daughter of the Professor of Greek, the only young lady under the wing of the University, led the class. But it did not strike me as an anomaly; I had often seen such things." \*

President Edward Orton, of Antioch, bears similar testimony :

"As to the intellectual result of co-education, I have seen nothing to warrant the belief that the general average of scholarship is lowered by it. Young women, as we find them, have not the same powers of endurance, in severe and protracted study, that young men have; but, on the other hand, they do much of their work with greater facility. In the Languages, in Rhetoric and Belles-lettres, for instance, they are apter pupils than their brothers. Perhaps we do not find them as strong or original mathematicians as young men, but still it must be said that if the two most successful scholars of the last seven years, with us, were to be named in this department, both sexes would be represented. They recite what they know better, on the average, than

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\* Ibid., pp. 245, 6.

young men. The sexes seem to take different results from the same course. The philosophic phases of a subject always seem to me to take deeper hold of young men. They have 'Darwinism,' for instance, harder. It seems to me that a more symmetrical view is obtained when a subject has been brought under both points of vision." \*

A member of the St. Lawrence University, of New York, writes in reference to the women students, that "their average proficiency in all studies is quite as high as that of the young men;" † and President Magoun, of Iowa College, has likewise affirmed: "It has not been found that young ladies, *equally prepared*, were at all behind young men in the more difficult college studies—mathematics, languages, science, or philosophy." ‡

The evidence is, therefore, abundant and explicit that the scholarship of the women is as high as the scholarship of the men in the colleges which admit both sexes.

But intellectual training is of small worth in comparison with moral culture. What, then, are the results of co-education in the domain of personal character? Have immoralities prevailed? Has

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\* Ibid., pp. 270, 1. † *Old and New*, Vol. IV., p. 129.

‡ Ibid., p. 760.

woman become mannish? Has the peach been made to lose its bloom? Have the reserve, the delicacy, the tenderness—qualities that are the special adornment of womanhood—been sacrificed or even impaired? The testimony is unanimous in the negative. President White, in the paper from which an extract has already been made, writes :

“ That there may be some danger to certain classes of women shallow in character and weak in mind is not unlikely, but of all women, these are the least likely to involve themselves in the labor of preparation for the university or of going on with its courses of study. As to the good effect on the women who have actually entered the colleges, the testimony is ample. The Committee in its visits found no opposing statement either from college officers, students of either sex, or citizens of university towns, and all their observations failed to detect any symptoms of any loss of the distinctive womanly qualities so highly prized. Nor have they found that those who have been thus educated have shown any lack of these qualities in after life. On the contrary, it would be hard to find a body of women combining these qualities more nobly than the matrons of this State and surrounding States, who have graduated at the Academies and Normal Schools. These qualities they have, by the agreement of all observers, in

a very much higher degree than the women of countries where a semi-conventual system of education is adopted." \*

Six years after Cornell University was opened to women, it was affirmed, it is worthy of note, by one of its members, that "the whole tone of the University has greatly improved." †

The testimony of President Fairchild is no less explicit :

"You would know whether the result with us has been a large accession to the numbers of coarse, 'strong-minded' women, in the offensive sense of the word; and I say, without hesitation, that I do not know of a single instance of such a product as the result of our system of education. \* \* \*

"To show that our system of education does not bewilder woman with a vain ambition, or tend to turn her aside from the work which God has impressed upon her entire constitution, I may state that of the eighty-four ladies that have taken the college course, twenty-seven only are unmarried. Of these twenty-seven, *four* died early, and of the remaining twenty-three, twenty are graduates of less than six years' standing. The statistics of the grad-

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\* Orton's *Liberal Education of Women*, pp. 219, 20.

† Report of the Mass. Society for the University Education of Women, 1880, p. 18.

uates of the Ladies' Course would give essentially the same result." \*

Similar sentiments have been expressed by Horace Mann and Mrs. Mann regarding the college of which he was the first president. President Canfield, of the University of Kansas, writes that there have passed "sixteen years of radical co-education without even a whisper of scandal." †

The President of Butler University, Indiana, says: "Let me assure you that a better set of students than ours it would be difficult to find. *On no occasion whatever has discipline been made necessary by the association of the sexes.* Our students are gentle and modest on the one hand, polite and gallant on the other; while on both they are attentive, industrious, and obedient." ‡

Many testimonies of a general character in favor of the system of co-education might be presented. They refer, in fact, to points already discussed. The President of the University of Michigan says: "Women graduates are doing their full part in winning a reputation for Michigan University, and are

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\* Orton's Liberal Education of Women, pp. 249, 50.

† *The Nation*. No. 932, p. 401.

‡ Report of the Mass. Society for the University Education of Women, 1880, p. 20.

Sixteen religious denominations are represented in their management, among which they are divided as follows :

Religious Denominations.	No.	Religious Denominations.	No.	Religious Denominations.	No.
Non-Sectarian .....	77	Lutheran .....	14	Universalist.....	4
Methodist .....	49	Christian .....	11	S. D. Advent.....	1
Baptist.....	37	Episcopal.....	9	Evangelical.....	1
Roman Catholic.....	37	United Brethren .....	7	Reformed German..	1
Presbyterian.....	33	Reformed .....	6	New Church .....	1
Congregationalist.....	15	Friends.....	5		

Of the colleges now in existence, two date their foundation to the seventeenth century, and twenty-two to the eighteenth. The remaining two hundred and eighty-eight have been founded since the year 1800. The subjoined table gives the number of charters granted in each decade of the present century.

1801-1810	1811-1820	1821-1830	1831-1840	1841-1850	1851-1860	1861-1870	1871-1877
3	7	12	25	31	71	75	39

Name.	Location	Date of Charter.	Religious Denominations.	No. of Teachers.	No. of Students.	Volumes in Library.
Southern College .....	Greensboro, Ala.	1856	M. E. So.	4	62	1000
Howard College .....	Marion, Ala.	1843	Baptist.	5	104	1200
*University of Alabama .....	Tuscaloosa, Ala.	1820	Non-Sect.	12	140	5000
*Arkansas College .....	Batesville, Ark.	1872	Presb.	3	75	500
*Cane Hill College .....	Boonsboro, Ark.	1852	Cumb. P.	3	16	200
*Judson University .....	Judsonia, Ark.	1871	Baptist.	6	17	460
*St. John's Col. of Arkansas.	Little Rock, Ark.	1850	Non-Sect.	8	108	200
†Missionary College of St. Augustine.....	Benicia, Cal.	1868	P. E.	5	50	2500

\* Admits both sexes.

† Admits men only.

‡ Admits women only.

Name.	Location.	Date of Charter.	Religious Denominations.	No. of Teachers.	No. of Students.	Volumes in Library.
*Pierce Christian College...	College City, Cal.	1874	Christian.	6	77	....
*University of California...	Oakland, Cal.	1868	Non-Sect.	36	145	15750
†St. Mary's College.....	San Francisco, Cal.	1872	R. C.	20	120	1500
†Santa Clara College.....	Santa Clara, Cal.	1855	R. C.	10	250	10000
*University of the Pacific..	Santa Clara, Cal.	1853	M. E.	13	75	2000
*Pacific Methodist College..	Santa Rosa, Cal.	1862	M. E. So.	5	73	200
*California College.....	Vaccaville, Cal.	1870	Baptist.	6	59	2500
*Hesperian College.....	Woodland, Cal.	1862	Christian.	6	99	375
*Colorado College.....	Colorado Springs, Colo.	1874	Non-Sect.	8	39	1000
University of Colorado.....	Boulder, Colo.	1875	Non Sect.	8	16	2000
†Trinity College.....	Hartford, Conn.	1823	P. E.	89	101	18275
*Wesleyan University.....	Middleto'n, Conn.	1831	M. E.	19	163	31370
†Yale College.....	N. Haven, Conn.	1701	Non-Sect.	41	687	98000
*Delaware College.....	Newark, Del.	1869	Non-Sect.	5	59	6500
*University of Georgia.....	Athens, Ga.	1785	Non-Sect.	9	83	10000
*Atlanta University.....	Atlanta, Ga.	1867	Non-Sect.	12	26	5000
*Gainesville Male and Female College.....	Gainesville, Ga.	1877	Non-Sect.	7	73	250
†Mercer University.....	Macon, Ga.	1837	Baptist.	6	96	6000
†Pio Nono College.....	Macon, Ga.	1876	R. C.	4	45	1100
†Emory College.....	Oxford, Ga.	1836	Meth.	8	141	3000
*Hedding College.....	Abingdon, Ill.	1853	M. E.	9	60	1000
*Illinois Wesleyan University.....	Bloomington, Ill.	1850	Meth.	8	84	2000
*Blackburn University.....	Carlinville, Ill.	1857	Presb.	7	60	3000
*Carthage College.....	Carthage, Ill.	1870	Luth.	7	83	2500
†St. Ignatius College.....	Chicago, Ill.	1870	R. C.	7	38	12000
*University of Chicago.....	Chicago, Ill.	1857	Baptist.	11	74	6000
*Northwestern University..	Evanston, Ill.	1851	M. E.	10	183	20000
*Ewing College.....	Ewing, Ill.	1874	Non-Sect.	6	32	25
*Knox College.....	Galesburg, Ill.	1837	Non-Sect.	7	105	4000
*Lombard University.....	Galesburg, Ill.	1859	Univer list.	6	22	3850
*Irrington College.....	Irrington, Ill.	1863	Presb-Cong	6	41	1200
*Illinois College.....	Jacksonville, Ill.	1835	Non-Sect.	9	78	8000
*Lake Forest University...	Lake Forest, Ill.	.....	Presb.	9	75	4500
*McKendree College.....	Lebanon, Ill.	1834	M. E.	8	128	6000
*Lincoln University.....	Lincoln, Ill.	1865	Cumb. P.	11	199	16000
†Evangelisch-Lutherisches Collegium.....	Mendota, Ill.	1875	Luth.	6	26	300
*Monmouth College.....	Monmouth, Ill.	1857	U. Presb.	8	152	2000
*Northwestern College.....	Naperville, Ill.	1865	Evang.	6	73	.....
†Augustana College.....	Rock Island, Ill.	1865	Luth.	6	63	6460
†St. Joseph's College.....	Teutopolis, Ill.	.....	R. C.	6	28	.....
*Shurtleff College.....	Upper Alton, Ill.	1835	Baptist.	5	48	5437

\* Admits both sexes.

† Admits men only.

‡ Admits women only.

Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers.	No. of Students.	Volumes in Library.
*Westfield College.....	Westfield, Ill.....	1865	U. Breth.	5	33	1000
*Wheaton College.....	Wheaton, Ill.....	1860	Cong.	14	52	2000
*Bedford College.....	Bedford, Ind.....	1872	Christian.	5	61	150
*Indiana University.....	Bloomington, Ind.....	1828	Non-Sect.	10	183	7500
†Wabash College.....	Crawfordsville, Ind.....	1833	Presb.	11	96	18300
*Fort Wayne College.....	Fort Wayne, Ind.....	1846	M. E.	8	17	1200
*Franklin College.....	Franklin, Ind.....	1844	Baptist.	6	36	3000
*Indiana Asbury University.....	Greencastle, Ind.....	1837	M. E.	12	212	5900
†Hanover College.....	Hanover, Ind.....	1833	Presb.	9	59	5000
*Hartsville University.....	Hartsville, Ind.....	1851	U. Breth.	4	31	100
*Butler University.....	Irvington, Ind.....	1850	Christian.	12	75	2000
*Smithson College.....	Logansport, Ind.....	1871	Univers'list	6	15	500
*Union Christian College.....	Merom, Ind.....	1859	Christian.	8	40	700
*Moore's Hill College.....	Moore's Hill, Ind.....	1854	M. E.	6	48	500
†University of Notre Dame	Du Lac.....	1844	R. C.	7	200	15000
*Earlham College.....	Richmond, Ind.....	1859	Friends.	7	47	3707
*Ridgeville College.....	Ridgeville, Ind.....	1867	F. W. B.	5	44	300
†St. Meinrad's College.....	St. Meinrad, Ind.....	.....	R. C.	9	65	6000
*Amity College.....	Iowa Springs, Iowa.....	1853	Non-Sect.	4	10	4000
†Norwegian Luther College.....	Decorah, Iowa.....	.....	Ev. Luth.	8	88	3200
*University of Des Moines.....	Des Moines, Iowa.....	1866	Baptist.	4	13	2000
*Parson's College.....	Fairfield, Iowa.....	1875	Presb.	6	57	1800
*Upper Iowa University.....	Payette, Iowa.....	1857	M. E.	4	47	2500
*Iowa College.....	Grinnell, Iowa.....	1847	Cong.	16	84	5317
†Griswold College.....	Davenport, Iowa.....	1859	.....	7	13	6250
*Simpson Centenary Col- lege.....	Indianola, Iowa.....	1867	M. E.	8	53	800
*Iowa State University.....	Iowa City, Iowa.....	1857	Non-Sect.	17	218	13000
*German College.....	Mt. Pleasant, Iowa.....	1873	M. E.	3	23	200
*Iowa Wesleyan University.....	Mt. Pleasant, Iowa.....	1855	Meth.	11	99	.....
*Cornell College.....	Mt. Vernon, Iowa.....	1857	M. E.	9	91	4654
*Oskaloosa College.....	Oskaloosa, Iowa.....	1856	Christian.	7	26	1200
*Penn College.....	Oskaloosa, Iowa.....	1866	Friends.	5	34	1400
*Central University of Iowa.....	Pella, Iowa.....	1853	Baptist.	7	40	1500
*Tabor College.....	Tabor, Iowa.....	1866	Cong.	8	72	4000
*Western College.....	Western College, Iowa.....	1866	U. Breth.	5	41	1100
†St. Benedict's College.....	Atchison, Kans.....	1868	R. C.	7	25	3075
*Baker University.....	Baldwin City, Kans.....	1857	M. E.	4	19	1100
*Highland University.....	Highland, Kans.....	1858	Presb.	3	12	5000
*University of Kansas.....	Lawrence, Kans.....	1864	Non-Sect.	16	114	3800
*Lane University.....	Lecompton, Kans.....	1862	U. Breth.	2	18	200

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Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers.	No. of Students.	Volumes in Lib'y.
*Washburn College.....	Topeka, Kans.....	1865	Cong.	7	23	4000
†St. Joseph's College.....	Bardstown, Ky.....	1824	R. C.	17	84	.....
*Berea College.....	Berea, Ky.....	1865	Cong.	4	34	3200
†Cecilian College.....	Ky.....	1867	R. C.	10	6	500
†Centre College.....	Danville, Ky.....	1819	Presb.	6	66	4376
*Eminence College.....	Eminence, Ky.....	1826	Christian.	10	83	1600
†Kentucky Military Ins'tute	Farmdale, Ky.....	1846	Non-Sect.	7	91	5000
†Georgetown College.....	Georgetown, Ky.....	1829	Baptist.	5	97	8000
Kentucky University.....	Lexington, Ky.....	1858	.....	3	66	12221
Kentucky Wesleyan University	Millersburg, Ky.....	1860	M. E. So.	4	79	1000
*Murray Male and Female Institute	Murray, Ky.....	1870	Non-Sect.	7	185	.....
*Concord College.....	New Liberty, Ky.....	1868	Baptist.	4	97	200
†Central University.....	Richmond, Ky.....	1873	Presb. S.	5	40	1500
†Bethel College.....	Russellville, Ky.....	1856	Baptist.	7	105	1000
†St. Mary's College.....	St. Mary's, Ky.....	1837	R. C.	10	57	1000
*Louisiana State University	Baton Rouge, La.....	1853	Non-Sect.	13	.....	12000
†St. Charles College.....	Grand Coteau, La.....	1852	R. C.	3	15	5000
†Centenary College of Louisiana	Jackson, La.....	1825	M. E. So.	4	35	2000
*New Orleans University.....	New Orleans, La.....	1873	M. E.	4	23	500
†Bowdoin College.....	Brunswick, Me.....	1794	Cong.	15	149	20000
*Bates College.....	Lewiston, Me.....	1803	F. W. B.	7	133	5771
*Colby University.....	Waterville, Me.....	1820	Baptist.	8	149	16000
†St. John's College.....	Annapolis, Md.....	1734	Non-Sect.	9	64	5000
†Johns Hopkins University	Baltimore, Md.....	1867	Non-Sect.	33	159	9000
†Loyola College.....	Baltimore, Md.....	1853	R. C.	14	70	11000
†Washington College.....	Chestertown, Md.....	1782	Non-Sect.	3	40	1350
†Rock Hill College.....	Ellicott City, Md.....	1805	R. C.	10	45	5000
†St. Charles College.....	Near Ellicott City, Md.....	1830	R. C.	13	115	5300
†Frederick College.....	Frederick, Md.....	1763	Non-Sect.	3	51	3000
*Western Maryland College	Westminster, Md.....	1868	M. Prot.	10	78	3000
†Amherst College.....	Amherst, Mass.....	1825	Cong.	25	339	36025
†Boston College.....	Boston, Mass.....	1863	R. C.	14	186	12000
*Boston University College of Liberal Arts	Boston, Mass.....	1869	M. E.	18	107	.....
†Harvard College.....	Cambridge, Mass.....	1636	Non-Sect.	56	886	187300
†Smith College.....	Northampton, Mass.....	1870	Non-Sect.	26	202	2000
†Tufts College.....	College Hill, Mass.....	1852	Univers'list	12	63	18000
†Wellesley College.....	Wellesley, Mass.....	1875	Non-Sect.	40	243	22000
†Williams College.....	Williamstown, Mass.....	1793	Cong.	12	227	19200

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Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers.	No. of Students.	Volumes in Library.
†College of the Holy Cross.	Worcester, Mass.	1865	R. C.	19	91	.....
*Adrian College.....	Adrian, Mich....	1859	M. Prot.	11	61	3000
*Albion College.....	Albion, Mich....	1860	M. E.	11	140	2500
*University of Michigan....	Ann Arbor, Mich.	1836	Non-Sect.	33	521	29345
*Battle Creek College.....	Battle Creek, Mich.....	1874	S. D. Ad.	14	15	1000
*Hillsdale College.....	Hillsdale, Mich.	1855	F. W. B.	19	96	6000
†Hope College.....	Holland City, Mich.....	1866	Ref. Dutch.	6	45	4700
*Kalamazoo College.....	Kalamazoo, Mich.	1855	Baptist.	5	44	2866
*Olivet College.....	Olivet, Mich.....	1859	Co. and Pr.	15	149	7000
†Augsburg Seminary, Greek Department.....	Minneapolis, Minn.....	1874	Ev. Luth.	6	48	.....
*University of Minnesota..	Minneapolis, Minn.....	1868	Non-Sect.	17	159	14000
*Carleton College.....	Northfield, Minn.	1866	Cong.	11	63	3441
†Mississippi College.....	Clinton, Miss....	1850	Baptist.	7	75	3000
*Shaw University.....	Holly Springs, Miss.....	1870	Meth.	8	20	500
*University of Mississippi..	Oxford, Miss.....	1844	Non-Sect.	6	184	6000
*Alcorn University.....	Rodney, Miss.....	1871	Non-Sect.	6	5	1200
*Christian University.....	Canton, Mo.....	1853	Christian.	10	82	300
*University of the State of Missouri.....	Columbia, Mo....	1839	Non-Sect.	36	555	11155
*Central College.....	Fayette, Mo.....	1855	M. E. So.	5	89	1200
*Westminster College.....	Fulton, Mo.....	1853	Pres. So.	6	100	5000
*Lincoln College.....	Greenwood, Mo....	1870	Un. Pres.	2	37	350
*Thayer College.....	Kidder, Mo.....	1863	Cong.	6	12	400
†William Jewell College.....	Liberty, Mo.....	1849	Baptist.	5	129	3500
*Baptist College.....	Louisiana, Mo....	1869	Baptist.	4	40	150
†Christian Brothers' College.....	St. Louis, Mo....	1855	R. C.	38	250	30000
†St. Louis University.....	St. Louis, Mo....	1832	R. C.	21	173	25000
*Washington University....	St. Louis, Mo....	1853	Non-Sect.	20	75	6000
*Drury College.....	Springfield, Mo....	1873	Cong.	13	185	11500
*Central Wesleyan College.	Warrenton, Mo....	1865	M. E.	6	70	2500
*Doane College.....	Crete, Nebr.....	1872	Cong.	5	15	1200
*University of Nebraska....	Lincoln, Nebr....	1871	Non-Sect.	10	90	2700
†Dartmouth College.....	Hanover, N. H....	1769	Non-Sect.	15	247	54000
†St. Benedict's College.....	Newark, N. J.....	1871	R. C.	5	49	900
†Ruiter's College.....	New Brunswick, N. J.....	1770	Reformed.	15	101	9600
†College of New Jersey....	Princeton, N. J....	1746	Presb.	25	428	50000
†Seton Hall College.....	S. Orange, N. J....	1861	R. C.	14	110	.....
*Alfred University.....	Alfred, N. Y.....	1857	S. D. Bap.	16	71	4676
†St. Bonaventure's College.	Alleghany, N. Y....	1875	R. C.	10	91	5550

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†St. Stephen's College .....	Annandale, N. Y.	1860	P. E.	5	37	2500
†Wells College .....	Aurora, N. Y. ....	1868	Presb.	12	32	1500
†Brooklyn Collegiate and Polytechnic Institute.....	Brooklyn, N. Y. ....	1854	Non-Sect.	13	131	3075
†St. Francis College .....	Brooklyn, N. Y. ....	.....	R. C.	11	85	500
†Canisius College .....	Buffalo, N. Y. ....	.....	R. C.	15	194	.....
†St. Joseph's College .....	Buffalo, N. Y. ....	.....	R. C.	10	22	2050
*St. Lawrence University .....	Canton, N. Y. ....	1856	Univ'ers'list	7	40	8530
†Elmira Female College .....	Elmira, N. Y. ....	1855	Presb.	12	72	1000
†Hamilton College .....	Clinton, N. Y. ....	1812	Presb.	13	160	12000
†St. John's College .....	Fordham, N. Y. ....	1846	R. C.	25	49	.....
†Hobart College .....	Geneva, N. Y. ....	1822	P. E.	9	60	15000
†Madison University .....	Hamilton, N. Y. ....	1846	Baptist.	11	91	11000
*Cornell University .....	Ithaca, N. Y. ....	1865	Non-Sect.	47	120	41222
†College of the City of N. Y.	New York .....	1866	Non-Sect.	15	523	18200
†College of St. Francis Xavier .....	New York .....	1861	R. C.	18	57	18000
†Columbia College .....	New York .....	1754	Non-Sect.	14	285	21985
†Manhattan College .....	New York .....	1863	R. C.	15	108	.....
†University of the City of New York .....	New York .....	1830	Non-Sect.	15	110	3692
†Vassar College .....	Po'keepsie, N. Y. ....	1861	Non-Sect.	30	217	14000
†University of Rochester .....	Rochester, N. Y. ....	1850	Baptist.	9	158	17080
†Union College .....	Schenectady, N. Y. ....	1705	Non-Sect.	17	171	20000
*Syracuse University .....	Syracuse, N. Y. ....	1870	M. E.	8	139	9000
†University of North Carolina .....	Chapel Hill, N. C. ....	1789	Non-Sect.	11	171	7000
*Davidson College .....	Davidson College, N. C. ....	1837	Presb.	6	74	3000
†North Carolina College .....	Mount Pleasant, N. C. ....	1850	Luth.	6	24	1143
†Trinity College .....	Trinity, N. C. ....	1852	M. E. So.	5	87	1800
†Wake Forest College .....	Wake Forest, N. C. ....	1835	Baptist.	7	181	7100
†Rutherford College .....	Happy Home, N. C. ....	1871	Non-Sect.	11	238	5000
*Wilson College .....	Wilson, N. C. ....	1872	Non-Sect.	9	48	1200
*Ohio University .....	Athens, Ohio .....	1804	Non-Sect.	5	41	7800
*Baldwin University .....	Berea, Ohio .....	1856	M. E.	10	131	2100
*German Wallace College .....	Berea, Ohio .....	1864	M. E.	6	60	550
†St. Xavier College .....	Cincinnati, Ohio .....	1843	R. C.	15	58	12000
*University of Cincinnati .....	Cincinnati, Ohio .....	1870	Non-Sect.	10	104	146013
*Farmers' College of Hamilton County .....	College Hill, Ohio .....	1852	Non-Sect.	10	15	800
*Ohio Wesleyan University .....	Delaware, Ohio .....	1842	M. E.	17	370	15000
†Kenyon College .....	Gambier, Ohio .....	1824	P. E.	8	66	22000
†Denison University .....	Granville, Ohio .....	1832	Baptist.	6	65	10000
*Hiram College .....	Hiram, Ohio .....	1867	Disciples.	6	194	900

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Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers	No. of Students	Volumes in Library.
*Western Reserve Coll. ¶.	Hudson, Ohio ...	1826	Non-Sect.	6	66	7000
†Marietta College .....	Marietta, Ohio. ...	1835	Non-Sect.	9	71	16509
*Mt. Union College .....	Mt. Union, Ohio. ...	1858	Non-Sect.	13	243	5000
*Muskingham College .....	New Concord, Ohio. ...	1837	Non-Sect.	8	59	400
*Oberlin College .....	Oberlin, Ohio ...	1834	Cong.	12	24	15000
*McCorkle College .....	Sago, Ohio. ...	1873	P. (asso.)	2	13	150
*One-Study University .....	Scio, Ohio ...	1866	M. E.	4	82	800
*Wittenberg College .....	Springfield, Ohio. ...	1844	Ev. Luth.	9	69	8000
*Heidelberg College .....	Tiffin, Ohio ...	1850	Reformed.	6	71	4000
†Urbana University .....	Urbana, Ohio. ...	1850	New C'h.	4	15	5100
*Otterbein University .....	Westerville, Ohio ...	1849	U. Breth.	7	75	1200
*Geneva College .....	W. Geneva, Ohio. ...	1853	Ref. Pres.	5	44	490
*Willoughby College .....	Willoughby, Ohio ...	1858	Meth.	6	33	....
Wilmington College .....	Wilmington, Ohio ...	1875	Friends.	5	43	1000
*University of Wooster .....	Wooster, Ohio. ...	1866	Presb.	14	181	5700
*Wilberforce University .....	Xenia, Ohio. ...	1863	Af. M. E.	7	4	4000
*Xenia College .....	Xenia, Ohio. ...	1850	M. E.	7	76	300
*Antioch College .....	Yellow Springs, Ohio. ...	1852	Non-Sect.	5	19	6000
*University of Oregon .....	Eugene City, Oreg. ...	1876	Non-Sect.	5	114	500
*Pacific University and Tualatin Academy .....	Forest Grove, Oreg. ...	1854	....	4	16	5000
*Christian College .....	Monmouth, Oreg. ...	1865	Christian.	7	152	220
*Philomath College .....	Philomath, Oreg. ...	1867	U. Breth.	4	37	800
†Muhlenberg College .....	Allentown, Pa. ...	1867	Luth.	7	72	2200
*Lebanon Valley College .....	Annaville, Pa. ...	1867	U. Breth.	7	60	1314
†Dickinson College .....	Carlisle, Pa. ...	1783	M. E.	7	66	7974
Lincoln University .....	Chester County, Pa. ...	1854	Presb.	10	73	....
†Lafayette College .....	Easton, Pa. ...	1824	Presb.	23	178	19000
†Ursinus College .....	Freeland, Pa. ...	1869	Ref. Ger.	6	41	....
*Pennsylvania College .....	Gettysburg, Pa. ...	1832	Luth.	8	99	7925
*Thiel College .....	Greenville, Pa. ...	1870	Luth.	6	42	3949
†Haverford College .....	Haverford, Pa. ...	1833	Friends.	10	78	8550
*Monongahela College .....	Jefferson, Pa. ...	1867	Baptist.	5	89	200
†Franklin and Marshall College .....	Lancaster, Pa. ...	1853	Reformed.	8	90	3000
†St. Vincent's College .....	Near Latrobe, Pa. ...	1870	R. C.	38	130	....
†University at Lewisburg .....	Lewisburg, Pa. ...	1846	Eaptist.	7	44	8000
*Allegheny College .....	Meadville, Pa. ...	1817	M. E.	13	108	10000
*Mercersburg College .....	Mercersburg, Pa. ...	1865	Reformed.	6	11	760
†Palatine College .....	Myerstown, Pa. ...	1868	Reformed.	9	15	....
*New Castle College .....	New Castle, Pa. ...	1875	Non-Sect.	13	76	350
*Westminster College .....	New Will't'n, Pa. ...	1852	U. Presb.	8	110	3000

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¶ Removed to Cleveland under name of Adelbert College.

Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers.	No. of Students.	Volumes in Library.
†La Salle College .....	Philadelphia, Pa.	1863	R. C.	12	91	1800
†St. Joseph's College .....	Philadelphia, Pa.	1852	R. C.	11	166	4000
†University of Pennsylvania ..	Philadelphia, Pa.	1755	Non-Sect.	16	139	20000
†Western University of Pennsylvania ..	Pittsburg, Pa.	1819	Non-Sect.	10	97	3500
†The Lehigh University ..	South Bethlehem, Pa.	1865	P. E.	11	75	17788
*Swarthmore College .....	Swarthmore, Pa.	1864	Friends.	16	129	3966
†Augustinian College of St. Thomas of Villanova .....	Villanova, Pa.	1848	R. C.	11	122	15000
†Washington and Jefferson College .....	Washington, Pa.	1802	Presb.	8	143	.....
*Waynesburg College .....	Waynesburg, Pa.	1850	Cumb. P.	6	117	900
†Brown University .....	Providence, R. I.	1764	Baptist.	17	247	53000
†College of Charleston .....	Charleston, S. C.	1785	Non-Sect.	7	30	7600
†University of South Carolina ..	Columbia, S. C.	1801	Non-Sect.	11	89	28000
†Erskine College .....	Due West, S. C.	1841	Ass. R. P.	5	53	1000
†Furman University .....	Greenville, S. C.	1850	Baptist.	5	73	1700
†Wofford College .....	Spartanburg, S. C.	1851	M. E. So.	9	83	2000
†Newberry College .....	Walhalla, S. C.	1858	Ev. Luth.	5	44	4500
*East Tennessee Wesleyan University .....	Athens, Tenn.	1867	M. E.	7	161	3000
*Beech Grove College .....	Beech Grove, Tenn.	1869	Non-Sect.	5	32	.....
†South Western Presbyterian University .....	Clarks ville, Tenn.	1875	Presb. S.	6	77	2500
†Hiwassee College .....	Hiwassee Coll'ge, Tenn.	1850	M. E. So.	9	193	2015
*Greenville and Tusculum College .....	Home, Tenn.	1794	Non-Sect.	10	22	6000
†Southwestern Baptist University ..	Jackson, Tenn.	1874	Baptist *	7	187	1300
†Cumberland University .....	Lebanon, Tenn.	1842	Cumb. P.	5	38	2500
*Bethel College .....	McKenzie, Tenn.	1847	Cumb. P.	4	132	471
*McKenzie College .....	McKenzie, Tenn.	1871	Non-Sect.	6	63	530
*Manchester College .....	Manchester, Tenn.	1856	Non-Sect.	2	27	.....
*Maryville College .....	Maryville, Tenn.	1842	Presb.	4	37	3000
†Christian Brothers' College .....	Memphis, Tenn.	1872	R. C.	12	60	2600
*Mosheim Male and Female Institute .....	Mosheim, Tenn.	1871	Luth.	3	23	300
†Mossy Creek Baptist College .....	Mossy Creek, Tenn.	1853	Baptist.	4	40	.....
*Central Tennessee College .....	Nashville, Tenn.	1866	M. E.	5	18	1525
*Fisk University .....	Nashville, Tenn.	1867	Non-Sect.	6	24	2037

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† Suspended, it is hoped only temporarily.

Name.	Location.	Date of Charter.	Religious Denomination.	No. of Teachers.	No. of Students.	Volumes in Libr'y.
†Vanderbilt University....	Nashville, Tenn...	1873	M. E. So.	15	91	8000
†University of the South...	Sewanee, Tenn...	1857	P. E.	9	120	8000
†Texas Military Institute...	Austin, Tex...	.....	Non-Sect.	5	40	1000
†St. Joseph's College.....	Brownsville, Tex...	.....	R. C.	5	70	2000
†Southwestern University...	Georgetown, Tex...	1875	M. E. So.	7	103	1037
†Baylor University.....	Independence, Tex...	.....	.....	.....	.....	.....
*Salado College .....	Salado, Tex.....	1845	Baptist.	6	85	1250
*Waco University.....	Waco, Tex.....	1859	Non-Sect.	7	20	200
*University of Vermont....	Burlington, Vt....	1861	Baptist.	11	300	3000
†Middlebury College .....	Middlebury, Vt....	1791	Non-Sect.	10	63	18552
†Norwich University.....	Norwich, Vt.....	1800	Cong.	8	39	13000
†Randolph Macon College...	Northfield, Va....	1834	P. E.	6	550	2000
†Emory and Henry College	Ashland, Va.....	1830	M. E. So.	6	127	.....
†Hamden Sydney College...	Emory, Va.....	1839	M. E. So.	5	66	4500
†Washington and Lee University	Hamden Sydney, Va	1783	Presb.	5	56	2700
.....	Lexington, Va....	1782	Non Sect.	9	.....	15000
.....	Richmond, Va....	1844	Baptist.	8	121	6000
.....	Salem, Va.....	1853	Luth.	7	76	16000
.....	University of Virginia	.....	.....	.....	.....	.....
†College of William and Mary	University of Virginia, Va.	1819	Non-Sect.	15	347	40000
.....	Williamsburg, Va.	1693	Non-Sect.	5	27	5000
†Bethany College.....	Bethany, W. Va....	1840	Christian.	6	94	.....
*West Virginia College.....	Flemington, W. Va.	.....	.....	.....	.....	.....
*West Virginia University...	Flemington, W. Va.	1868	F. W. B.	5	4	350
.....	Morgantown, W. Va.	.....	.....	.....	.....	.....
*Lawrence University.....	Morgantown, W. Va.	1867	Non-Sect.	9	62	5000
†Beloit College.....	Appleton, Wis....	1847	M. E.	11	87	10000
*Galesville University.....	Beloit, Wis.....	1846	Co. & Pr.	9	64	9300
*University of Wisconsin...	Galesville, Wis....	1854	M. E.	8	11	4000
†Milton College.....	Madison, Wis....	1848	Non-Sect.	32	340	10200
†St. John's College.....	Milton, Wis.....	1867	S. D. Bap.	9	44	1200
.....	Prairie du Chien, Wis.	.....	.....	.....	.....	.....
†Racine College.....	Prairie du Chien, Wis.	1873	R. C.	12	80	3500
*Ripon College.....	Racine, Wis.....	1852	P. E.	6	36	7000
†Northwestern University...	Ripon, Wis.....	1855	Co. & Pr.	13	62	4250
†Georgetown College .....	Watertown, Wis...	1864	Luth.	6	34	1800
†Columbian University.....	Georgetown, D.C.	1815	R. C.	23	62	30000
*Howard University.....	Washington, D.C.	1821	Baptist.	10	47	7000
†National Deaf Mute College	Washington, D.C.	1867	Non-Sect.	4	15	7000
.....	Washington, D.C.	1864	Non-Sect.	7	30	1411

\* Admits both sexes. † Admits men only. ‡ Admits women only.

¶ Suspended, it is hoped only temporarily.

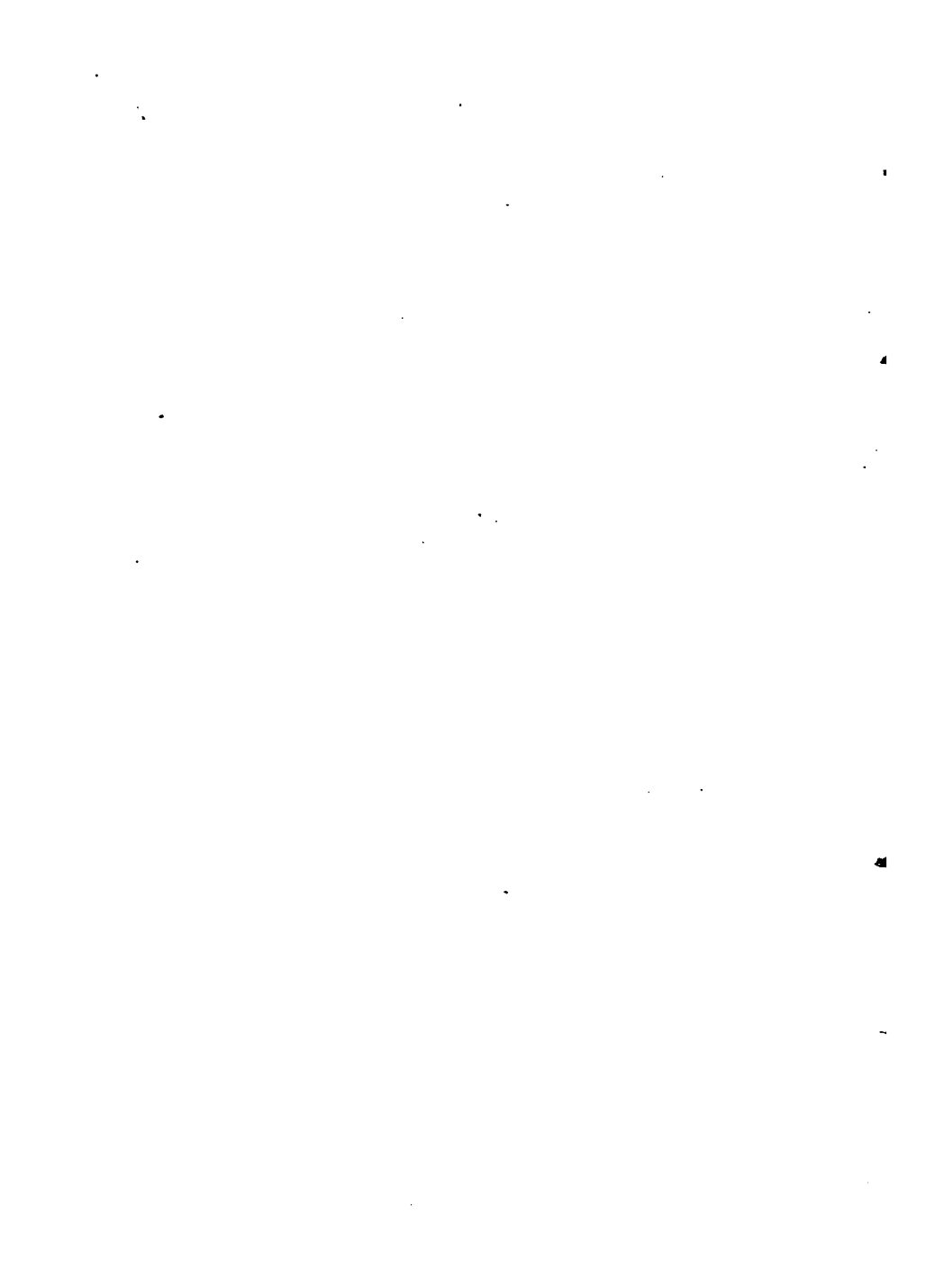
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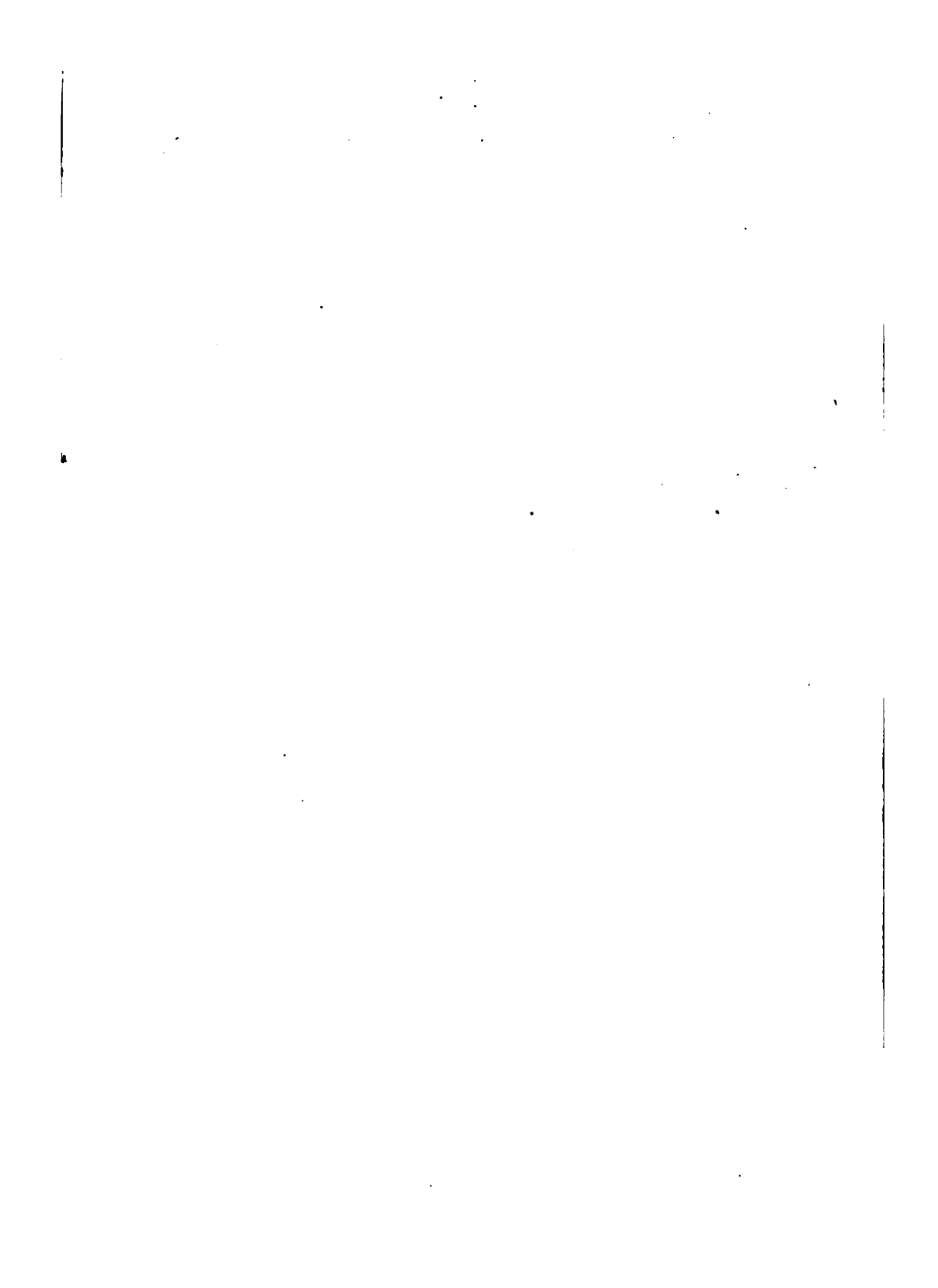
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